

2000

TOPIC 1 0.2808

use
data
result
model
test
technique
design
base
control
study
fault
source
property
system
characteristic

TOPIC 2 0.2907

model
method
use
performance
propose
channel
result
call
present
experimental
time
compare
control
design
technique

TOPIC 3 0.1297

subject
use
microwave
human
problem
item
area
rubble
year
standard
satellite
attenuation
band
navigation
facial

TOPIC 4 0.1753

voltage
use
harmonic
high
method
layer
present
measure
distribution
filter
velocity
charge
coastal
nutrient
base

TOPIC 5 0.0178

study
image
game
computer
material
background
learn
breast
design
context
model
use
test
present
region

TOPIC 6 0.0067

bear
load
bearing
type
people
important
author
operation
describe
characteristic
two
also
plan
mode
use

TOPIC 7 0.0244

data

science
process
progressive
creativity
model
new
module
spice
importance
give
performance
value
remote
term

TOPIC 8 0.0231

current
technique
high
waveform
control
quality
propose
torque
motor
ripple
noise
use
maximum
cell
simple

TOPIC 9 0.0022

heat
author
number
temperature
study
constant
average
equation
air
plate
influence
wall
laminar
exit
use

TOPIC 10 0.0046

common
w-cdma
vsb

cost
new
propose
energy
modulation
architecture
hardware
mhz
le
spectrum
calculator
sideband

TOPIC 11 0.0033

water
study
sea
concentration
adsorption
chemical
result
increase
determine
station
factor
environment
carbon
clay
surfactant

TOPIC 12 0.0019

energy
lebanon
consumption
year
unit
impact
electric
house
total
electronic
economic
biological
fuel
future
identify

TOPIC 13 0.0004

soil
metribuzin
pollution
fibre
represent

sensor
certification
couple
important
last
show
new
discuss
prototype
investigation

TOPIC 14 0.0195

reliability
use
power
package
hole
lamine
management
test
module
stress
failure
pbga
process
thermal
material

TOPIC 15 0.0013

obtain
layer
structure
film
response
efficiency
deposition
se
cualxsub2sub
buffer
insub2subssub3sub
new
ev
bulk
treatment

TOPIC 16 0.0038

solar
cell
film
energy
study
result
technique

thin
temperature
surface
use
develop
allow
storage
photovoltaic

TOPIC 17 0.0012

extraction
mn
cation
acid
cssupsup
efficient
aqueous
obtain
value
respectively
wind
organic
fe
extractants
nitric

TOPIC 18 0.0058

software
technology
component
hardware
product
architecture
roll
layer
approach
base
discuss
operational
article
application
commercial

TOPIC 19 0.0017

degradation
two
diffusion
different
important
region
process
defect
channel

grain
influence
coefficient
main
copper
electron

TOPIC 20 0.0039

dry
effect
air
radiation
factor
solar
condition
product
carrier
temperature
junction
transistor
take
similar
simulation

TOPIC 21 0.0003

water
bark
solution
quality
metallic
obtain
time
author
ion
index
capacity
nahr
utilisation
beirut
pretreatment

TOPIC 22 0.0001

junction
time
observe
view
oxide
attractive
photovoltaic
oxidation
snosub2subfn-si
complementary
role

characterize
behavior
predict
stable

TOPIC 23 0.0006

material
sedimentary
optimal
marine
obtain
main
form
deep
accumulation
coastal
activity
cost
aim
role
determine

TOPIC 24 0.0005

use
base
cost
emission
scenario
industrial
reaction
form
growth
ghg
condition
rate
industry
silicon
corresponding

TOPIC 25 0.0001

film
thin
ev
glass
material
gap
solar
sn
soda
one
value
property
energy

effect
space

TOPIC 26 0.0002

may
mediterranean
past
signature
present
change
several
monitor
knowledge
climate
scale
etc
scenario
biological
evolution

2001

TOPIC 1 0.1867

model
method
use
result
present
base
analysis
simulation
show
propose
approach
parameter
technique
function
time

TOPIC 2 0.0148

antenna
array
item
field
year
conference
index
author
radiation
may
pattern
entry
information
contain
electromagnetic

TOPIC 3 0.0589

problem
algorithm
show
solution
optimal
set
time
constraint
case
one
number
solve
give
system
state

TOPIC 4 0.1042

system
use
design
application
technology
process
development
software
information
provide
new
develop
describe
model
tool

TOPIC 5 0.0196

physic
american
institute
quantum
layer
structure
band
energy
well
temperature
electron
emission
observe
state
dot

TOPIC 6 0.0198

magnetic
field
temperature
film
physic
equationfont
institute
american
phase
layer
increase
sample
show
property
high

TOPIC 7 0.0206

equationfont
film
surface
american
layer
substrate
use
physic
deposition
ion
institute
temperature
growth
increase
electron

TOPIC 8 0.0139

material
stress
package
solder
test
electrical
use
process
contact
thermal
high
mechanical
chip
reliability
resistance

TOPIC 9 0.0185

use
temperature
cell
thermal
heat
flow
device
gas
pressure
sensor
process
battery
control
surface
application

TOPIC 10 0.0182

device
current

gate
high
voltage
transistor
effect
oxide
characteristic
low
use
leakage
performance
process
technology

TOPIC 11 0.0132

data
radar
use
target
surface
area
sar
map
measurement
image
resolution
satellite
sense
high
soil

TOPIC 12 0.0071

process
use
nm
wafer
film
pattern
mask
device
lithography
resist
material
mm
layer
effect
technology

TOPIC 13 0.0123

wave
frequency
material
crystal

mode
property
surface
dielectric
use
coefficient
acoustic
result
film
piezoelectric
measure

TOPIC 14 0.0069

patient
signal
medical
use
record
subject
study
ecg
analysis
clinical
result
activity
heart
rate
measure

TOPIC 15 0.0271

beam
plasma
pulse
electron
energy
current
use
field
high
ion
experiment
source
result
measurement
design

TOPIC 16 0.0260

performance
memory
data
use
application
processor

architecture
time
design
parallel
technique
program
algorithm
present
hardware

TOPIC 17 0.0313

image
use
object
method
algorithm
3d
camera
present
point
region
motion
feature
color
shape
surface

TOPIC 18 0.0130

network
neural
learn
model
use
algorithm
input
training
propose
neuron
artificial
function
pattern
nonlinear
train

TOPIC 19 0.0099

use
tissue
study
image
imaging
data
brain
human

result
muscle
patient
blood
show
phantom
ultrasound

TOPIC 20 0.0230

optical
laser
fiber
pulse
wavelength
use
form
demonstrate
high
give
nm
summary
power
signal
pump

TOPIC 21 0.0167

signal
image
transform
wavelet
use
propose
method
compression
algorithm
technique
filter
frequency
coefficient
noise
scheme

TOPIC 22 0.0096

filter
algorithm
adaptive
noise
use
propose
signal
response
error
fir

kalman
impulse
sample
nonlinear
coefficient

TOPIC 23 0.0163

power
market
cost
energy
product
customer
reliability
price
company
plan
load
distribution
utility
quality
supply

TOPIC 24 0.0026

coil
level
actuator
control
model
disk
drive
collector
valve
hbt
im3
signal
normal
csubbcsb
show

TOPIC 25 0.0088

sensor
measurement
use
data
signal
acoustic
measure
calibration
target
monitor
water
fusion

range
sonar
detection

TOPIC 26 0.0184

circuit
design
cmos
power
signal
digital
use
chip
process
analog
technology
present
high
output
clock

TOPIC 27 0.0069

mission
space
flight
aircraft
satellite
vehicle
spacecraft
develop
test
technology
gps
operation
capability
orbit
instrument

TOPIC 28 0.0271

power
voltage
current
control
switch
motor
converter
propose
use
present
load
result
high
circuit

drive

TOPIC 29 0.0240

data
use
fuzzy
feature
propose
recognition
information
base
method
set
database
cluster
classification
approach
rule

TOPIC 30 0.0276

frequency
design
use
ghz
power
circuit
db
amplifier
noise
present
high
rf
low
phase
bandwidth

TOPIC 31 0.0073

cable
voltage
pd
discharge
test
insulation
field
charge
use
transformer
result
current
breakdown
electrical
distribution

TOPIC 32 0.0262

channel
performance
code
receiver
propose
scheme
use
signal
error
interference
rate
show
system
fade
result

TOPIC 33 0.0121

algorithm
estimate
signal
estimation
matrix
source
estimator
noise
propose
method
et
al
array
blind
linear

TOPIC 34 0.0057

protection
fault
standard
relay
line
power
current
esd
ground
circuit
design
equipment
test
lightning
transmission

TOPIC 35 0.0085

design

circuit

use
logic
propose
implementation
architecture
algorithm
number
result
multiplier
hardware
base
present
implement

TOPIC 36 0.0025

product
family
websphere
bifurcation
composite
provide
detail
also
grade
attack
application
mill
function
specific
cement

TOPIC 37 0.0290

control
controller
robot
design
propose
system
use
dynamic
feedback
nonlinear
stability
base
fuzzy
track
motion

TOPIC 38 0.0058

vehicle
traffic
control

road
car
speed
drive
train
wheel
safety
driver
system
flow
travel
information

TOPIC 39 0.0032

al
et
job
polynomial
see
partition
author
pp
ibid
t
vol
theorem
give
comment
original

TOPIC 40 0.0139

test
fault
testing
failure
use
detection
technique
design
circuit
approach
detect
reliability
result
analysis
propose

TOPIC 41 0.0074

video
cod
rate
motion
propose

frame
bit
stream
quality
algorithm
picture
scheme
error
audio
type

TOPIC 42 0.0196

network
service
traffic
mobile
wireless
packet
propose
user
qos
control
bandwidth
provide
access
scheme
performance

TOPIC 43 0.0018

bridge
cut
exception
ca
ta
pdf
ordering
presence
vi
hla
transaction
sg
modification
le
handling

TOPIC 44 0.0050

net
specification
delay
language
petri
diagram
interconnect

layout
logic
circuit
graph
routing
formal
crosstalk
base

TOPIC 45 0.0017

window
cp
sam
fl
sd
mol
type-2
nt
cc
hsub
freeze
shift
dl
ieee
slide

TOPIC 46 0.0020

association
transaction
mine
rule
database
et
al
deadlock
frequent
algorithm
item
pattern
support
value
rcs

TOPIC 47 0.0013

deformation
resonance
mf
asymmetry
cb
block
facromanwsifontsubxsubequation
symmetry
center

support
trend
tracer
ssub
2sub
screener

TOPIC 48 0.0112

network
routing
node
protocol
path
propose
mobile
algorithm
multicast
communication
message
link
use
scheme
ip

TOPIC 49 0.0013

sr
tm
rp
knot
casup2sup
mineral
sc
sm
dome
alteration
msc
f
lcd
release
construct

TOPIC 50 0.0012

three
nsub
cr
spl
vi
cryptography
specc
es
bundle
md
belief

combination
composition
fsm
pair

TOPIC 51 0.0042

protocol
network
tcp
data
transmission
packet
layer
mechanism
control
performance
congestion
communication
loss
new
link

TOPIC 52 0.0017

atom
trap
atomic
ec
decay
form
state
automaton
mot
field
molecular
sup
summary
chromosome
cellular

TOPIC 53 0.0015

ac
propose
problem
new
well
method
original
ant
tsp
travel
colony
first
various

result
show

TOPIC 54 0.0014

cm
spread
sup
number-plate
session
pm
ti
four
hillock
theta
symposium
a-axis
msq
4fsub
lb

TOPIC 55 0.0012

log
mt
ba
ea
br
mop
ipv6
bam
last
reflective
nic
familiar
gyrus
sequence
facromanffontsub16subfont

TOPIC 56 0.0011

filament
box
graft
eddy
dialog
cycle
work
rpc
georgia
tongue
stream
restitution
epidermis
net
purkinje

TOPIC 57 0.0014

sn
strand
ti
ia
esa
bcc
2nd
cbs
nbsub3subal
1st
yb
residue
v1
er
ho

TOPIC 58 0.0013

sc
heritage
sequence
cultural
chain
va
great
de
sup
child
sqa
indicator
md
fda
celicaf

TOPIC 59 0.0010

particle
bsub
sp
ece
translator
esr
dco
healthcare
wsub
dsp
amp
recyclability
tag
abroad
pda

TOPIC 60 0.0010

spi
yttrium
actor
svs
xafs
fence
mask
nuclear
mwnts
tcr
charcoal
scrap
msm
part
treatment

TOPIC 61 0.0010

cell
st
ethic
pw
valley
discourse
sca
bat
extract
fragment
genistein
smc
de-embedding
elite
charger

TOPIC 62 0.0009

ecm
pc
cd
e-services
directory
gi
hap
studio
error-correction
ci
equationsequation
argument
exponent
mci
tritium

TOPIC 63 0.0008

pillar
ppc

split
house
tr
ch
game
police
gec
buddy
sbd
significantly
bd
bot
tensegrity

TOPIC 64 0.0010

electronic
payment
card
fill
reset
signature
exclusion
argument
mutual
dpf
stabilization
proof
black-box
ape
ssppm

TOPIC 65 0.0012

activation
spl
delta
gd
state
shall
rta
1spl
ce
slm
energy
evaluate
degc
ev
mtf

TOPIC 66 0.0008

sm
culture
shell
rotational

anomalous	envelope	stw
hour	wing	byu
plume	bpm	coronet
cpm	lpe	fecov
bi	tag	inject
pcl	integrity	point-wise
explants	russia	sfg
dish	signature	
grid	vp	TOPIC 73 0.0005
m		outgassing
backtracking	TOPIC 70 0.0007	fingerprint
	mercury	chamber
TOPIC 67 0.0007	event	facromanocrfontsubfont
personality	middle	mcm
erm	employee	wfq
molecular	gsn	waste
aln	pathway	achievable
vaccine	thiophene	single-source
adfs	white	bisector
rare	hyper	hebt
reversible	energy-resolution	panel
shad	top-film	dsub1sub
sttm	enzyme	spin-off
la	doppler-shifted	ionsurface
tracer	burst	
ladder	excimer	TOPIC 74 0.0005
emotion		black
cmsup2sup	TOPIC 71 0.0008	carbon
	courseware	asp
TOPIC 68 0.0009	authoring	epr
print	tone	equationh-font
hm	stylefont-size	cnr
m	overflow	canvas
mouse	nd	cast
facromanofontsub7subequation	calculus	dolphin
asub	facromanhzfontradicand	pretrigger
hr	radicaltdtdtdtrtableequation	j-dsp
mechanical	radicandfont	aggregate
mystery	9emfont	paramagnetic
except	university	3-dimensional
initiate	tailing	rt
bitmap	cti	
race	xu	TOPIC 75 0.0006
te		balance
click	TOPIC 72 0.0005	path
	ga	bridge
TOPIC 69 0.0010	gap	neumann
display	ctm	birkhoff-von
im	os	protein
dec	third	output-buffered
hash	eyelash	adspecies
shaper	soft-magnetic	two-layer
respect	b-course	journal

faceromannfontsubequation
oceanstore
signal-present
mqs
selenium

TOPIC 76 0.0006

ig
lsi
tiger
afd
nbohc
mei
cma
ce
rotate
ci
enamel
spd
four-branch
msea
penumbral

TOPIC 77 0.0006

dam
bipb2223
blt
df
dfsp
uncd
discrete
faceromanpfontequation
hf
gyrus
dentate
bgo
ut
phosphorescence
faceromanefffontsubequation

TOPIC 78 0.0004

twin
tcp
paint
decision-making
diver
monotron
cgc
bubble
upconversion
tcd
rbb
tuner

rage
rfi
polyarylate

TOPIC 79 0.0006

join
injection
pc
cohesion
sdi
bioimpedance
coterie
granule
tf
tbbsub44subsisub07sub
focalization
k-coterie
nondominated
k-coterie
reagan-era

TOPIC 80 0.0003

superlinear
tdd
hepatocytes
multipactor
lcdudd
pole
microrelay
blow
equation110sup14supfont
ecf
xyz
overfitting
equationnsubtsubequation
stroboscopic
long-correlation

TOPIC 81 0.0000

coas
pound
trbms
trbm
teflonsuprsup
open-porous
surface-potential
electret-transducer
petp
charge-storage
ptfe
littoral
cone-shaped
lighten

lethal

TOPIC 82 0.0000

multicut
achievement
series-connected
six-peak
five-peak
low-high-low
seven-peak
maxflow-to-min
leighton
formulate
point
calculation
number
good
simulation

TOPIC 83 0.0000

railgun
copper-impregnated
eswin
quantum
min
weigh
equation001011111equation
faceromanpolycrystallinefontequatio
n
1st
27-v
finite-range
psup3sup
k456
psup2sup
psupksuppsup2sup

TOPIC 84 0.0000

salesman
exchange-bias
superimpose
politician
equationtsbssub580font
magnetic-semiconductor
gaasfe
photon-energy
courtesy
reporter
self-employed
policeman
engineers-networking
assiduously
symbol-error-rate

TOPIC 85 0.0000	understate
edax	formulate
x075	point
lasub07subsrsub03submnosub3sub	calculation
formulate	number
point	good
calculation	simulation
number	use
good	inner
simulation	new
use	boundary
inner	finite
new	approach
boundary	method
finite	fiber
approach	
TOPIC 86 0.0000	TOPIC 89 0.0000
remediation	weibayes
dakota	formulate
sdsmt	point
marshland	calculation
formulate	number
point	good
calculation	simulation
number	use
good	inner
simulation	new
use	boundary
inner	finite
new	approach
boundary	method
finite	fiber
TOPIC 87 0.0000	
spontaneous	
32spl	
prolongation	
micro-contact	
contact-avoiding	
microfine	
genvoca	
automatic-verification	
245-72	
biol	
shallow-level	
radiation-damaged	
high-capacitive	
99spl	
636spl	
TOPIC 88 0.0000	

2002

TOPIC 1 0.0629

model
method
function
problem
algorithm
use
parameter
linear
system
result
matrix
show
approach
propose
present

TOPIC 2 0.2039

model
use
method
result
technique
present
analysis
problem
approach
process
application
different
one
performance
study

TOPIC 3 0.0169

cell
use
study
tissue
patient
imaging
result
human
model
increase
data
activity
develop
heart
clinical

TOPIC 4 0.0148

magnetic
field
film
temperature
layer
equationfont
physic
institute
american
increase
magnetization
phase
property
show
high

TOPIC 5 0.0058

al
et
see
ieee
vol
pp
shock
proc
trans
ibid
phys
also
graph
use
change

TOPIC 6 0.0261

american
physic
institute
temperature
equationfont
layer
film
electron
structure
growth
grow
quantum
energy
band
show

TOPIC 7 0.0103

equationfont
film
ion
annealing
american
surface
layer
si
implant
temperature
use
physic
oxygen
institute
deposition

TOPIC 8 0.0256

plasma
discharge
current
electron
field
charge
pulse
energy
use
gas
voltage
result
density
pressure
high

TOPIC 9 0.0371

control
controller
power
propose
design
use
motor
fault
method
result
voltage
model
present
simulation
performance

TOPIC 10 0.0163

device
current

gate
voltage
transistor
high
effect
oxide
leakage
low
junction
characteristic
layer
temperature
show

TOPIC 11 0.0203

sensor
data
system
use
technology
design
develop
application
provide
development
mission
space
satellite
battery
describe

TOPIC 12 0.0382

model
method
use
frequency
field
result
wave
present
structure
simulation
analysis
measurement
line
equation
numerical

TOPIC 13 0.0258

optical
laser
wavelength
fiber

use
pulse
demonstrate
mode
give
summary
power
nm
signal
device
waveguide

TOPIC 14 0.0247

robot
image
use
motion
object
track
method
camera
propose
position
3d
present
environment
human
control

TOPIC 15 0.0322

power
circuit
voltage
use
frequency
converter
switch
current
design
present
output
high
low
propose
noise

TOPIC 16 0.0208

film
use
surface
process
substrate
layer

silicon
thin
material
fabricate
structure
deposition
sensor
device
technique

TOPIC 17 0.0049

cell
solar
efficiency
pv
high
photovoltaic
result
module
fuel
show
energy
array
condition
pulse
concentration

TOPIC 18 0.0071

device
disk
record
high
technology
use
cell
esd
optical
storage
data
head
write
display
drive

TOPIC 19 0.0117

data
use
radar
surface
image
sar
target
area

measurement
model
result
water
resolution
scatter
map

TOPIC 20 0.0157

process
package
material
thermal
temperature
test
use
high
solder
technology
chip
heat
stress
reliability
performance

TOPIC 21 0.0134

detector
beam
use
high
coil
design
field
current
source
magnet
energy
magnetic
resolution
radiation
x-ray

TOPIC 22 0.0337

image
use
method
algorithm
propose
feature
video
base
recognition
result

present
model
speech
approach
show

TOPIC 23 0.0398

use
system
application
software
model
user
data
design
information
provide
environment
describe
support
web
distribute

TOPIC 24 0.0171

student
learn
engineer
course
year
item
author
design
research
program
project
technology
index
university
describe

TOPIC 25 0.0292

network
service
protocol
propose
traffic
performance
mobile
scheme
packet
wireless
use
routing

node
control
link

TOPIC 26 0.0315

power
market
technology
cost
product
system
development
process
new
management
project
industry
service
provide
maintenance

TOPIC 27 0.0309

design
use
architecture
test
memory
circuit
hardware
performance
processor
implementation
propose
present
process
power
time

TOPIC 28 0.0242

filter
signal
noise
method
use
frequency
propose
transform
wavelet
process
base
adaptive
technique
new

response

TOPIC 29 0.0197

network
neural
learn
fuzzy
use
model
algorithm
propose
method
base
function
training
result
input
data

TOPIC 30 0.0285

channel
code
performance
propose
error
receiver
use
rate
scheme
show
algorithm
signal
interference
system
fade

TOPIC 31 0.0093

data
cluster
set
rule
query
database
algorithm
mine
propose
document
fuzzy
base
information
structure
pattern

TOPIC 32 0.0036

aircraft
flight
system
air
requirement
traffic
safety
communication
control
management
airport
phase
study
new
aviation

TOPIC 33 0.0161

antenna
array
use
frequency
design
element
pattern
beam
present
result
two
radiation
ghz
bandwidth
angle

TOPIC 34 0.0215

algorithm
problem
optimization
propose
solution
optimal
search
use
time
show
method
solve
schedule
result
constraint

TOPIC 35 0.0087

test

measurement
standard
testing
measure
use
equipment
cable
field
calibration
electromagnetic
emi
signal
uncertainty
result

TOPIC 36 0.0041

security
attack
detection
secure
key
encryption
intrusion
authentication
protocol
watermarking
signature
scheme
digital
watermark
protect

TOPIC 37 0.0044

mesh
surface
3d
data
render
volume
model
use
visualization
propose
haptic
dictionary
graphic
shape
virtual

TOPIC 38 0.0026

sequence
line
crosstalk

sr	summary	resistance
loop	esub	bar
subscriber	sc	chromosome
dsl	coherence	cd
digital	esr	count
family	classical	facromanofontsub12subequation
adsl	atom	scg
cable	pair	pellet
upstream	spl	
also	entanglement	TOPIC 45 0.0010
low		spr
downstream	TOPIC 42 0.0013	ap
	fragment	batch
TOPIC 39 0.0051	copolymer	radon
vehicle	stylefont-familyarial	fdm
control	exception	roll
traffic	operator	fuel
road	de	smith
car	mutation	gasification
drive	cg	engine
driver	apc	iem
system	fold	mm
speed	cga	facromancufontsub3subfont
time	dl	quorum
transportation	fcl	waste
wheel	n2	
train	span	TOPIC 46 0.0015
travel		spl
steer	TOPIC 43 0.0021	pt
	device	ht
TOPIC 40 0.0013	efficiency	mf
clone	polymer	aring
group	layer	theta
preconditioner	emission	degc
np	light	deltaspl
verb	organic	respectively
cbr	light-emitting	tsub
hair	diode	binning
fh	el	omega
nr	institute	ring
pdc	physic	ho
tc	equationfont	alpha
completion	american	
da	blue	TOPIC 47 0.0011
sco		pa
dam	TOPIC 44 0.0013	empty
	spl	cast
TOPIC 41 0.0021	hall	mt
quantum	omega	landscape
state	sigma	tm
form	ph	gastric
photon	ppm	gpa
give	mu	ln

psd
glassy
crow
cm
lymphocyte
transformation

TOPIC 48 0.0011
cement
mill
plant
ssc
complex
kiln
emission
grind
storage
clinker
molecule
piece
option
lead
concrete

TOPIC 49 0.0015
cube
ea
lattice
ft
hypercube
slicing
faulty
ta
e
stylefont-size
sol
lb
cross
sfs
nd

TOPIC 50 0.0010
ops
e
credit
glass
rewiring
cloth
bst
faceromannifontsub3subfont
interpolatory
cmc
zinc

sdp
serve
udp
rr
TOPIC 51 0.0012
r
spm
sma
pd
bi
transition
de
faceromanwfontequation
gauge
loss
dispute
equationsupfont
ep
faceromanhefontequation
equationsup3supfont

TOPIC 52 0.0012
ec
mv
binary
josephson
consensus
tb
junction
heatsink
seam
multiple-valued
grade
tungsten
unit
dd
shunting

TOPIC 53 0.0011
ct
fire
g
fa
ha
stop
multislice
facilitation
dsa
helical
electret
foreign
psi

sa
conversion
TOPIC 54 0.0009
crystal
single
th
coefficient
pmn-pt
slag
piezoelectric
d
molten
persistence
penetration
cup
manifold
pznt
tone
TOPIC 55 0.0009
cc
font
connectedness
fr
bcc
ig
job
csi
pvp
msc
facehelveticaihifontsubsub
trs
attenuation
rotational
mongolian
TOPIC 56 0.0009
patent
tail
pad
nl
orbital
w
tf
flock
fsub0sub
sperm
hcc
scan
photosensitivity
peniotron
whale

TOPIC 57 0.0007

bipolar
bead
gp
bronze
microsphere
solid
high-frequency
unipolar
vr
ib-ix
companion
lift
accent
nc
mosi

TOPIC 58 0.0008

fp
vr
smear
shake
vlf
intraoperative
do
mca
equationisubfont
faceromaneufontsup2supequation
mc
bam
sneak
fly
lsi

TOPIC 59 0.0009

fgs
adjustment
la
ed
e
refrigeration
ce
let
psg
br
faceromanhzfontradicand
radicaltdtdtrtableequation
radicandfont
job
granularity

TOPIC 60 0.0008

td
equationequation
lock
hinge
versa
capacity
stw
au
vice
demographic
thyratrons
dad
mattress
self-healing
kg

TOPIC 61 0.0008

fm
heat
fo
gr
china
es
tangential
nanospheres
journal
korea
hsp70
displacement
proxy
disclosure
quaternary

TOPIC 62 0.0008

crystallization
irregular
synaptic
ltp
kinetics
stage
spa
hippocampal
se
primary
regular
ltd
differential
tablet
nco

TOPIC 63 0.0008

smc
argument

po
m
soliton
compressive
s
sample
spmd
volume
replenishment
determinism
faceromanalffontsub3subequation
probe
equationsubcsubequation

TOPIC 64 0.0007

pmc
polarity
dmah
sho
torsion
rto
swim
tg
faceromanalfontsubxsubfont
faceromannfontsubysubequation
sop
reed-muller
nato
faceromantifontsub1-xsubfont
dama

TOPIC 65 0.0008

spl
mock
thermocouple
fq
lambdasub
drr
hc
unicore
bw
stone
csm
eps
mtr
thermoelement
lmc

TOPIC 66 0.0007

proof
fb
follow
negative

zero-knowledge	fullerene	mfm-5-scale
congress	prefer	diffusion
ssh	lsco	chair
copyright	facromanerfontsubfont	lhcs
lc	sirp	reviewer
dh	2supndsup	fga
divergence	psii	dvdt
ozone	comsic	fractional
survival	facromanprfontsubfont	
xfrog		TOPIC 73 0.0004
pma	TOPIC 70 0.0005	sve
	music	rod
TOPIC 67 0.0007	arbiter	flip-flop
branch	drs	normalization
dqm	earthquake	stratum
population	ell	ltg-gaas
wt	avcosub2subr	acid
soma	facromanfecovtinfontsubxsubequati	hsub
slab	on	hpc
butterfly	raw	macrophage
ecology	wedelmusic	alberta
outstanding	dream	power-bandwidth
slice	phrenic	ap-wdma
commit	epr	rscff
hyperlink	sa	spc
psp	facromansnofontsub4subequation	
sewer	f1	TOPIC 74 0.0005
lw		corneal
	TOPIC 71 0.0004	emf
TOPIC 68 0.0006	ism	abundance
blade	facromanndfontsup3supequation	fhmms
nec	pen	discriminator
interstitial	pam	antifactors
sdsc	bone-implant	reproduction
m-tran	wine	skewed
cmp	fission	model-checking
electrospray	facromantmfontsup3supequation	faster
mvl	nhe	subeffsub
contamination	sub	denudation
proud	reaction	multi-grounded
superplastic	up-conversion	hood
recipe	sub-assembly	incubator
piece	disassembly	
mbq	facromanybfontsup3supequation	TOPIC 75 0.0004
escat		lightning
	TOPIC 72 0.0004	rng
TOPIC 69 0.0006	fractional-order	mcrb
mam	multiplication	leader
pma	psam	detent
distortion	answer	maze
cant	ysub	mbb
differential	facromanbifontsub4subfont	tight
unidirectional	dba	csub

vulnerability	one-half	nsubssub
bit-wise	load-change	1394b
deep-center	non-doi	
peripheral	dual-planar	TOPIC 82 0.0000
unscheduled		b-enriched
tighter	TOPIC 79 0.0001	fe-enriched
	interposers	delta
TOPIC 76 0.0003	ldbs	facromanfefontsub85subfont
freeze	facromanruofontsub2subequation	mid-1980s
ramp	interactive	30-60
kinetochore	multiscale	wafersort
query	worthless	non-iddq
smooth	chynoweth	off-tester
resident	fnb	reliability-focused
clos-network	smcosub5sub	nnr
pir	image-enhanced	ltt
local-field	mdqm	facromanndfontsub45subfont
pileup	tfscs	facromanfefontsub77subfont
otis	gxrd	facromanzrfontsub05subequation
lift-tab	personnel	
trade	second	TOPIC 83 0.0000
t		cdsub1-xsubznsubxsubte
walk	TOPIC 80 0.0002	3-4
	ift	t1-r
TOPIC 77 0.0004	ltg-gaas	cdsub1-xsubznsubxsubtecds
crp	bit-decision	cdclsub2subosub2subar
persistent	mil	znclsub2subosub2subar
elevation	glvq	cdte-znte
spect	pyrochlore	fashion
thallium	pcbs	useful
ihd	correctness	process
breaker-rating	pcw	eg
law	sp	hlt
lift	lgs	module
moore	as	entity
paint	btv	tagger
bccds	photoconductor	
apf	fuzzy-logic-based	TOPIC 84 0.0000
acmsup2sup		duplicating
ecu	TOPIC 81 0.0001	fashion
	thrombus	useful
TOPIC 78 0.0002	macrophyte	process
sterilization	compartment	eg
ccbm	prism	hlt
unoptimized	ga-67	module
4sub	intrastation	entity
2	est	tagger
doi	vhn	customisable
vml	wsn	recognition
2hsub	pinhole	xml
neutralize	tie	information
phi	tj-k	develop
csub	fault-current	also

2003

TOPIC 1 0.0306

channel
performance
propose
code
receiver
scheme
signal
error
system
rate
show
interference
fade
use
power

TOPIC 2 0.2586

model
use
method
result
present
base
propose
show
approach
technique
new
time
analysis
parameter
simulation

TOPIC 3 0.0269

use
cell
process
surface
film
material
silicon
layer
high
sensor
substrate
device
fabricate
structure
temperature

TOPIC 4 0.0287

equationfont
film
american
institute
physic
temperature
layer
increase
observe
show
surface
sample
property
electron
structure

TOPIC 5 0.0342

field
magnetic
method
use
wave
model
equation
current
frequency
electromagnetic
result
effect
numerical
medium
surface

TOPIC 6 0.0125

test
package
use
stress
solder
actuator
joint
design
contact
mechanical
force
high
thermal
failure
material

TOPIC 7 0.0275

optical
laser
use
wavelength
fiber
pulse
light
crystal
demonstrate
mode
nm
quantum
waveguide
power
beam

TOPIC 8 0.0188

sensor
control
robot
vehicle
position
environment
track
mobile
motion
navigation
traffic
develop
plan
path
provide

TOPIC 9 0.0261

image
use
object
method
3d
algorithm
camera
resolution
motion
pixel
shape
point
track
data
surface

TOPIC 10 0.0132

beam
energy

electron
high
design
detector
use
pulse
field
source
test
experiment
radiation
magnet
current

TOPIC 11 0.0217

plasma
discharge
field
temperature
flow
gas
use
pressure
heat
ion
electron
density
current
pulse
high

TOPIC 12 0.0158

device
current
voltage
temperature
transistor
high
effect
gate
diode
characteristic
show
carrier
low
structure
bias

TOPIC 13 0.0142

data
use
measurement
satellite

surface
area
sense
ocean
water
model
remote
estimate
result
study
soil

TOPIC 14 0.0094

gate
current
leakage
oxide
junction
dielectric
process
device
memory
voltage
nm
cell
use
high
defect

TOPIC 15 0.0336

circuit
design
power
use
signal
cmos
frequency
digital
noise
present
technology
low
chip
voltage
high

TOPIC 16 0.0167

signal
filter
noise
speech
use
algorithm

method
recognition
propose
estimate
source
frequency
base
performance
component

TOPIC 17 0.0570

application
system
design
use
technology
service
provide
user
data
process
information
software
architecture
environment
development

TOPIC 18 0.0055

tissue
imaging
image
ultrasound
transducer
array
arfi
use
acoustic
ultrasonic
lesion
show
contrast
increase
force

TOPIC 19 0.0299

research
engineer
year
technology
student
project
development
item

learn
author
software
program
work
knowledge
process

TOPIC 20 0.0154

network
neural
robot
learn
control
human
task
use
agent
motion
environment
neuron
visual
behavior
virtual

TOPIC 21 0.0229

power
market
cost
product
energy
system
reliability
load
equipment
transmission
operation
network
price
supply
distribution

TOPIC 22 0.0118

patient
use
study
signal
data
activity
heart
record
subject
analysis

human
measure
clinical
blood
ecg

TOPIC 23 0.0248

performance
algorithm
architecture
processor
memory
time
schedule
use
parallel
data
implementation
application
hardware
propose
switch

TOPIC 24 0.0078

al
et
ieee
wireless
bluetooth
wlan
see
area
standard
radio
network
lan
device
access
communication

TOPIC 25 0.0313

network
protocol
traffic
service
propose
node
mobile
packet
scheme
wireless
routing
control

use
performance
link

TOPIC 26 0.0173

control
controller
system
stability
nonlinear
design
linear
feedback
condition
dynamic
propose
problem
state
fuzzy
robust

TOPIC 27 0.0285

data
use
feature
classification
cluster
fuzzy
image
algorithm
information
propose
set
base
network
method
database

TOPIC 28 0.0076

radar
target
signal
use
detection
array
sar
scatter
aperture
frequency
clutter
process
measurement
resolution

phase	TOPIC 32 0.0209	line
TOPIC 29 0.0254	power	transmission
antenna	voltage	engine
frequency	control	crosstalk
design	current	test
ghz	motor	ec
use	converter	length
array	switch	conductor
filter	use	cr
db	propose	xlpe
present	present	insulation
band	load	dsl
resonator	drive	polyethylene
phase	result	fuel
microwave	high	
bandwidth	harmonic	TOPIC 36 0.0204
loss		algorithm
	TOPIC 33 0.0187	problem
TOPIC 30 0.0083	model	optimization
transform	design	solution
wavelet	test	optimal
filter	use	search
signal	software	solve
coefficient	program	genetic
matrix	fault	constraint
method	tool	propose
fourier	language	function
discrete	present	method
image	system	find
function	testing	program
use	approach	cost
base	specification	
decomposition	code	TOPIC 37 0.0044
domain	TOPIC 34 0.0125	code
	video	fault
TOPIC 31 0.0024	image	al
conference	cod	et
information	propose	p2p
may	compression	model
proceeding	algorithm	signature
table	scheme	peer
content	quality	relay
page	rate	ldpc
original	frame	peer-to-peer
copyright	use	use
committee	motion	construction
part	bit	distance
map	stream	protection
message	error	
program		TOPIC 38 0.0025
also	TOPIC 35 0.0031	music
	cable	polynomial
		seed

type	family	entropy
hybrid	te	approximately
show	property	gb
musical	ace	langasite
permutation	stylefont-familyarial	ssa
dns	construction	respectively
harq	rna	sf
deadlock	length	crt
cc	seebeck	
number	operator	TOPIC 45 0.0013
arq		fm
tap	TOPIC 42 0.0016	cmac
	sm	c
TOPIC 39 0.0021	column	crash
branch	sw	failure
predictor	la	consensus
prediction	cm	compound
pr	mf	equationesubfont
sa	spl	cartridge
tag	polyhedron	sch
gsc	manifold	grade
fc	product	df
textile	fl	primer
fnn	r	fim
generate	refresh	bp
fabric	ksub	
structure	ddc	TOPIC 46 0.0013
moment		md
predict	TOPIC 43 0.0018	value
	efficiency	dl
TOPIC 40 0.0025	device	svd
detection	emission	ch
intrusion	organic	quotient
attack	equationfont	sic
bind	el	quaternion
id	improve	decomposition
detect	light-emitting	compaction
filter	layer	pea
fire	oled	sp
kalman	excitation	teg
state	show	dsub2sub
alarm	color	remainder
ekf	light	
al	polymer	TOPIC 47 0.0013
cpm		dp
et	TOPIC 44 0.0014	federation
	amr	conjecture
TOPIC 41 0.0014	da	upstream
thermoelectric		sh
sequence	tsm	hla
binary	saw	exception
grade	antibody	hpc
code	compound	bm

downstream	host	ltl
checker	microbial	property
mpr	fermentation	
cell	growth	TOPIC 54 0.0011
expression		th
mb	TOPIC 51 0.0009	pr
	pe	v
TOPIC 48 0.0010	ilc	floating-point
graph	psp	citation
rsa	spp	acc
ir	cast	phylogenetic
group	tilt	ecc
scl	ribbon	third-harmonic
law	moems	stp
ocm	wing	pure
de	sk	msm
mt	positron	facromanofontsub7-subequation
constant	sopnn	he
vi	writer	quantity
composite	tep	
mssbauer	phased	TOPIC 55 0.0010
gt		ytterbium
hum	TOPIC 52 0.0009	cw
	lm	smc
TOPIC 49 0.0011	rt	multi-state
ca	facroman3fontsubequation	est
spm	afs	ndsub
group	depth	chapter
cone	alc	sawtooth
hc	stanag	gc
ozone	gem	spiral
tc	lto	currency
cipher	pond	calculus
icc	cpa	shanghai
one-way	gcib	crisis
tor	papi	bsl
quantified	wrapper	
print	spinel	TOPIC 56 0.0010
geodesic		reversible
cma	TOPIC 53 0.0009	sb
	lp	ce
TOPIC 50 0.0011	erp	bootstrap
bacteria	w	transparency
facroman2fontsubequation	pathway	interorganizational
coli	gap	dimension
concentration	phosphate	toffoli
bacterial	side	whale
ship	stop	pull-in
factor	article	vos
facroman2fontsubfont	product	baker
facromantiofontsubfont	acid	cmsup-1sup
sample	pht	facromanvfontsub2subfont
psl	brush	sit

TOPIC 57 0.0010

sit
solver
virus
satisfiability
boolean
instance
clause
symmetry
cnf
odor
fruit
formula
proof
recent
cgs

TOPIC 58 0.0009

mt
aes
ncl
redshift
lithium
ribbon
oe
l
galaxy
transport
imperfection
quasar
melt
de
ppktp

TOPIC 59 0.0009

ri
pc
permeation
resampling
mapping
ibsc
pd
mp
icosahedral
dtmos
band-tail
body
cellular
modular
entanglement

TOPIC 60 0.0008

eat
elicitation
meeting
indicator
seat
faceromanybfontsup3supequation
spr
shell
checkerboard
nt
dijkstra
faceromanerfontsup3supfont
upconversion
im
1px

TOPIC 61 0.0008

chain
cf
rope
link
hydrocarbon
p3p
mmu
m
zero-error
edison
catv
rgis
tv
composite
thesaurus

TOPIC 62 0.0008

hair
triangular
beetle
sifting
swr
nics
hydrothermal
yet
hotspot
daem
nkf
faceromanznfontsub2subfont
quadrature
two-phase
tsp

TOPIC 63 0.0007

rsa
cb

honeynet
m
ito
certification
gage
isd
kspl
tape
whisker
2l
algainp
sign
permissible

TOPIC 64 0.0007

ppm
mass
cdm
centre
rocket
nosub
inclusion
pcm
de
seedling
arrangestaggersupequation
grafted
wosub
quad
cage

TOPIC 65 0.0005

ipsec
spacetime
phys
wake
rim
tlpbisub3sub
self-learning
faceromanbfontequation
psdb
sifsub
tbfeco
agpd
sci
rev
star

TOPIC 66 0.0006

harvest
qfd
oai-pmh
pwl

visible	equationcequation	2-algan-ingan-gan
tl	ksp	dhfet
iv	type-2	super-fec
recess	as-rich	itu-fec
exchanger	equatione2equation	10sub-15sub
metadata	cdrt-tone	short-path
tack	f	through-ground
novel	comparatively	
already-on	mfcg	TOPIC 73 0.0001
sog		gest
cwds	TOPIC 70 0.0001	transducer
	discontinuous-switching-modulation	raptor
TOPIC 67 0.0007	dq	auto-adaptive
spill	odqa	100ma
drifter	igniter	carp
recorder	de-voltage	qvc
optothermal	equationh-font	narendra
rugged	microsystems	mirkin
kerr	planarization	micro-hollow
ajc	downscaling	16-point
compressor	random-phase	subgeomsub
asg	micro-thrusters	post-detection
idif	etsup2sup	threat
harmony	as-received	maturity
purify	voltage-source-inverters	
interweave	temperature-graded	TOPIC 74 0.0000
funneling		nonfluoroscopic
raise	TOPIC 71 0.0001	electrical-anatomical
	si-fin	auvship
TOPIC 68 0.0005	atomicity	obispo
spl	fxmosfets	ucsb
ssi	synthesiser	interchannel
fr	posix	public-good
epsiv	micromesh	illumination-adjustable
hsub	npmle	constant-viewpoint
mmi	ofi	intrapixel
cf	truncating	electrode-catheter
phil	conbzs	electrode-catheters
o-tree	intra-channel	single-beat
zeus	failure-time	load
logistics	osi	show
spr	dramatic	
testis	tunneling	TOPIC 75 0.0000
decomposed		diselenide
polyaniline	TOPIC 72 0.0000	fully-monitored
	multi-section	inverterpv
TOPIC 69 0.0003	dual-view	back-of-the-module
telematic	atsr	load
orthogonality	comparative	show
mvm	bch-like	thus
fa	high-input	left-handed
equationtsubgsu	dhfets	frequency
equationbequation	coll	design
pec		

result
measure
permeability
line
fill

2004

TOPIC 1 0.4154

model
propose
use
method
result
algorithm
approach
base
problem
show
control
present
time
data
new

TOPIC 2 0.1024

system
application
use
technology
software
design
provide
process
development
information
user
environment
service
present
develop

TOPIC 3 0.0844

power
circuit
voltage
design
use
frequency
current
control
present
high
switch
propose
converter
result
low

TOPIC 4 0.0453

channel
performance
signal
code
error
scheme
receiver
use
propose
rate
show
system
antenna
interference
frequency

TOPIC 5 0.0682

use
temperature
field
high
current
device
material
result
surface
layer
process
effect
thermal
show
structure

TOPIC 6 0.0244

use
cell
study
patient
signal
data
tissue
imaging
result
gene
activity
model
analysis
measure
show

TOPIC 7 0.0370

optical
use
laser
detector
array
beam
fiber
wavelength
high
resolution
waveguide
pulse
radiation
antenna
measurement

TOPIC 8 0.0356

data
use
sensor
vehicle
radar
measurement
area
surface
result
target
satellite
model
study
monitor
water

TOPIC 9 0.0477

network
service
protocol
node
wireless
mobile
traffic
packet
routing
communication
scheme
performance
access
provide
qos

TOPIC 10 0.0505

image
use

method	processor	over-approximation
robot	scheme	intra-frontier
object	application	s-etr
feature	architecture	differential
motion	program	reference
3d	cache	ofcc
recognition	propose	process
human	parallel	relate
face	embed	sensitivity
shape	attack	
base	time	TOPIC 17 0.0000
present		mor
track	TOPIC 14 0.0079	floorplanning
	schedule	thermal-driven
TOPIC 11 0.0327	problem	full-cfd
filter	time	bar
design	switch	cba
use	task	floorplan
method	job	htcc
algorithm	solution	icepak
transform	search	pls
signal	performance	r-c
implementation	genetic	pls-odm
wavelet	solve	exchange
present	packet	url
architecture	resource	phishing
hardware	scheduler	
function	optimal	TOPIC 18 0.0014
matrix		test
circuit	TOPIC 15 0.0005	battery
	defect	repair
TOPIC 12 0.0226	grey	backup
video	inspection	cell
image	wafer	fuel
propose	bist	defect
speech	fab	module
use	pnf	spare
cod	yield	restoration
compression	production	english
algorithm	apc	diagnosis
quality	gm11	bucket
method	increase	number
frame	cost	sw
feature	monitor	
rate	two	TOPIC 19 0.0000
data		bmea
motion	TOPIC 16 0.0000	single-rate
	uges	chi
TOPIC 13 0.0239	inter-frontier	submsub
memory	contract	low-volume
data	tr	ligating
use	state-element	bmea-bmrc
performance	s-etr	steric

lanthanide

1-to-1

associate

favour

rationally

anionic

bmrc

2005

TOPIC 1 0.3319

use
method
model
algorithm
base
data
approach
result
present
problem
propose
process
system
new
technique

TOPIC 2 0.0576

control
power
controller
voltage
propose
design
current
model
present
motor
converter
switch
simulation
output
nonlinear

TOPIC 3 0.1399

network
performance
propose
scheme
simulation
node
show
code
improve
rate
one
result
low
good
number

TOPIC 4 0.0279

stylefont-size
film
5emspanfont
equationfont
layer
temperature
use
high
magnetic
show
structure
increase
device
field
effect

TOPIC 5 0.0480

use
field
current
high
result
beam
energy
pulse
detector
magnetic
measurement
voltage
source
test
plasma

TOPIC 6 0.0479

antenna
use
frequency
design
array
structure
present
method
result
filter
ghz
line
element
propose
waveguide

TOPIC 7 0.0546

channel
signal
frequency
use
noise
optical
receiver
performance
power
interference
system
show
filter
error
rate

TOPIC 8 0.0308

sensor
use
force
robot
motion
surface
measurement
device
develop
result
flow
position
model
measure
camera

TOPIC 9 0.0187

cell
use
surface
study
process
particle
protein
high
gas
result
material
temperature
show
method
property

TOPIC 10 0.0180

test
process

package
thermal
solder
design
temperature
technology
high
reliability
material
device
stress
chip
failure

TOPIC 11 0.0422

power
circuit
design
use
cmos
noise
device
technology
signal
low
high
voltage
frequency
present
process

TOPIC 12 0.0305

power
data
market
vehicle
system
energy
radar
satellite
technology
provide
area
target
develop
network
cost

TOPIC 13 0.0348

image
feature
use
recognition

classification
human
robot
learn
motion
face
classifier
speech
present
video
extract

TOPIC 14 0.0652

service
technology
design
web
environment
application
development
information
management
support
research
engineer
architecture
learn
project

TOPIC 15 0.0103

image
color
tcp
pixel
congestion
digital
throughput
flow
transform
bit
packet
size
loss
control
one

TOPIC 16 0.0057

key
protocol
audio
music
placement
signature

sound
attack
authentication
scheme
game
secure
group
show
one

TOPIC 17 0.0099

image
3d
algorithm
object
mesh
transform
surface
point
propose
render
reconstruction
2d
shape
filter
scene

TOPIC 18 0.0072

model
verification
specification
language
architecture
logic
formal
hardware
implementation
software
check
program
state
property
simulation

TOPIC 19 0.0068

al
et
protection
relay
ieee
standard
code
java

one
work
patent
program
substation
iec
two

TOPIC 20 0.0098

processor
performance
memory
architecture
hardware
design
cache
instruction
parallel
use
software
implementation
flight
aircraft
provide

TOPIC 21 0.0009

img
method
net
boundary
petri
np
new
apply
duct
softman
good
adomians
transition
value
allow

TOPIC 22 0.0005

img
zone
cube
merge
apply
fdd
mbd
cnet
mine
data

band
graph
vd
radiance
alt

TOPIC 23 0.0003

replay
vq
img
walsh
turn
ler
virtualization
expectation
encoding
multispectral
joke
speed
ax
fuse
defectivity

TOPIC 24 0.0003

pareto
img
stock
kappa
ald
front
entanglement
nsga
prediction
nfsv4
sp-mec
prior
thailand
pubsub
facromanpdfontfont

TOPIC 25 0.0002

img
kpso
poll
upma
alt
kpsonn
campaign
d2
value
pso
facromanpdfontsup3supequation
altm

d4
k1
k2

TOPIC 26 0.0000

fdcp
duty
worldwide
manuscript
relate
national
executive
mission
direct
society
including
sponsor
committee
registration
magazine

TOPIC 27 0.0000

porous-silica
supervisor
psc
srg
facromanpdfontsubisubequation
composition
pscm
mask
prioritized
devs-based
devstone
siosi
mpsc
observation-compatibility
scenariouse

TOPIC 28 0.0000

thermoelectroelastic
team-level
source-to-source
t14
superconductorferromagnet
nbnicu
usadel
dunn-taya
dunns
sub-transformation
post-contract
where-in
duty
worldwide

manuscript

TOPIC 29 0.0000

face roman font sub⁴sup₄ equation

ultraviolet-light-induced

stretched-exponential

duty

worldwide

manuscript

relate

national

executive

mission

direct

society

including

sponsor

committee

TOPIC 30 0.0000

in as gas b

cdht

cdhts

duty

worldwide

manuscript

relate

national

executive

mission

direct

society

including

sponsor

committee

2006

TOPIC 1 0.3704

use
model
propose
method
base
result
present
approach
show
application
new
problem
data
design
performance

TOPIC 2 0.0719

service
network
technology
user
provide
information
management
resource
mobile
support
system
architecture
use
environment
communication

TOPIC 3 0.0337

device
use
surface
film
cell
high
layer
current
process
show
gate
voltage
silicon
temperature
effect

TOPIC 4 0.0250

optical
laser
use
pulse
plasma
beam
detector
high
electron
energy
fiber
source
wavelength
light
ion

TOPIC 5 0.0162

stylefont-size
5emspanfont
equationfont
film
temperature
layer
faceromannmfonte
equation
increase
high
show
observe
structure
electron
substrate
surface

TOPIC 6 0.0481

field
antenna
magnetic
use
frequency
structure
result
wave
method
model
element
array
effect
surface
show

TOPIC 7 0.0344

power
control
voltage
current
load
motor
converter
fault
switch
energy
result
drive
controller
wind
inverter

TOPIC 8 0.0387

channel
performance
scheme
signal
propose
receiver
rate
antenna
system
transmission
show
result
interference
simulation
use

TOPIC 9 0.0362

image
method
use
algorithm
object
feature
propose
3d
detection
result
camera
motion
track
segmentation
point

TOPIC 10 0.0221

temperature
test

thermal
process
package
use
solder
material
design
high
reliability
heat
technology
failure
manufacture

TOPIC 11 0.0374

circuit
power
design
frequency
use
present
noise
filter
propose
low
high
ghz
cmos
voltage
db

TOPIC 12 0.0318

design
architecture
memory
hardware
processor
implementation
power
circuit
performance
test
implement
time
parallel
process
embed

TOPIC 13 0.0154

use
patient
signal
study

tissue
imaging
activity
medical
brain
result
measure
subject
analysis
clinical
monitor

TOPIC 14 0.0241

sensor
data
target
radar
monitor
system
develop
technology
research
vehicle
track
development
detection
information
measurement

TOPIC 15 0.0319

problem
matrix
method
linear
function
algorithm
nonlinear
system
equation
condition
propose
state
solve
stability
solution

TOPIC 16 0.0171

algorithm
cluster
fuzzy
data
genetic
rule

network
optimization
set
gene
mine
neural
method
pattern
sequence

TOPIC 17 0.0112

data
satellite
measurement
use
space
mission
surface
instrument
calibration
model
area
temperature
ground
earth
forecast

TOPIC 18 0.0212

filter
algorithm
signal
noise
propose
estimation
transform
wavelet
estimate
error
coefficient
frequency
adaptive
performance
base

TOPIC 19 0.0225

robot
control
motion
environment
human
use
force
sensor

agent
task
virtual
mobile
design
user
object

TOPIC 20 0.0199

feature
classification
learn
recognition
use
information
classifier
query
training
database
vector
speech
document
method
search

TOPIC 21 0.0173

control
controller
vehicle
design
track
fuzzy
dynamic
system
simulation
adaptive
nonlinear
feedback
performance
disturbance
traffic

TOPIC 22 0.0149

code
cod
video
scheme
propose
rate
error
bit
compression
decoding

algorithm
channel
block
stream
quality

TOPIC 23 0.0136

software
model
application
system
service
tool
program
language
design
development
web
component
specification
framework
support

TOPIC 24 0.0065

network
data
traffic
cache
path
performance
algorithm
optical
routing
failure
node
storage
switch
wavelength
link

TOPIC 25 0.0035

security
key
scheme
attack
authentication
protocol
signature
secure
group
encryption
user
curve

communication
cryptographic
message

TOPIC 26 0.0122

network
node
protocol
sensor
routing
wireless
energy
algorithm
relay
scheme
ad
packet
hoc
propose
communication

TOPIC 27 0.0021

al
et
violation
make
original
bn
find
reference
sim
cp
wing
img
flap
follow
publication

TOPIC 28 0.0007

market
uc
unit
graph
schedule
dispatch
pso
price
commitment
swarm
c
economic
dag
lmp

particle

TOPIC 29 0.0000

tree

graph

lho

bipartite

flp

ho

chordal

user-database

t-spanner

admissible

3-spanner

halitosis

mercaptan

methyl

fsi

TOPIC 30 0.0000

typicality

signoff

fluid

cycletime

l2

udotr

monomials

draining

pt

sport

proficiency

pseudowords

1supnsup

2supnsup

sdica

TOPIC 31 0.0000

nsubtsublognsubtsub

tbons

relay

profilers

vitally

nsubt

2supbsup

multi-inputsingle-output

tbon

forcepressure

concept

powering

battery

energy

integral

TOPIC 32 0.0000

remote-access

opv

epsiv

radichz

fluidity

deaf

multi-person

times4

nspl

epsivspl

sim1

aviv

afeka

tel

ilm

2007

TOPIC 1 0.3810

model
use
method
propose
result
base
algorithm
approach
present
show
problem
performance
time
technique
new

TOPIC 2 0.0259

use
sensor
surface
measurement
material
cell
process
measure
device
force
method
structure
high
temperature
fabricate

TOPIC 3 0.0215

device
circuit
current
voltage
gate
transistor
switch
power
high
use
low
technology
cmos
show
performance

TOPIC 4 0.0196

magnetic
film
field
temperature
property
phase
show
increase
equationfont
layer
effect
high
structure
material
study

TOPIC 5 0.0273

optical
laser
use
light
wavelength
detector
fiber
pulse
mode
high
quantum
demonstrate
crystal
beam
device

TOPIC 6 0.0144

stylefont-size
5emspanfont
equationfont
film
layer
temperature
faceromannmfontequation
surface
substrate
electron
use
high
show
growth
increase

TOPIC 7 0.0317

robot
motion
object
use
image
3d
track
human
camera
video
control
environment
sensor
position
move

TOPIC 8 0.0243

test
design
process
package
use
technology
reliability
high
circuit
device
chip
failure
testing
solder
fault

TOPIC 9 0.0232

field
plasma
pulse
use
current
electron
energy
high
temperature
beam
result
discharge
heat
charge
gas

TOPIC 10 0.0596

technology
development

research
project
system
provide
develop
management
new
engineer
market
process
study
information
product

TOPIC 11 0.0285

control
controller
design
motor
machine
drive
speed
use
torque
performance
result
stability
dynamic
feedback
simulation

TOPIC 12 0.0379

signal
frequency
power
use
noise
design
filter
digital
present
phase
circuit
low
propose
db
amplifier

TOPIC 13 0.0214

image
use
segmentation
data

region
imaging
result
study
brain
tissue
gene
reconstruction
cell
protein
human

TOPIC 14 0.0230

image
data
radar
target
sensor
satellite
measurement
area
sar
surface
resolution
detection
water
fusion
information

TOPIC 15 0.0106

signal
use
wavelet
patient
method
monitor
study
blood
heart
ecg
transform
medical
data
analysis
result

TOPIC 16 0.0309

power
voltage
control
current
converter
load

fault
energy
switch
propose
present
wind
result
output
frequency

TOPIC 17 0.0313

channel
performance
scheme
propose
code
rate
cod
error
algorithm
show
interference
transmission
receiver
fade
transmit

TOPIC 18 0.0272

antenna
frequency
design
use
array
present
structure
ghz
line
filter
result
band
element
loss
propose

TOPIC 19 0.0429

service
user
application
web
information
design
use
data

software
process
system
environment
learn
support
architecture

TOPIC 20 0.0528

network
node
protocol
wireless
sensor
service
communication
scheme
propose
mobile
traffic
routing
data
packet
access

TOPIC 21 0.0174

architecture
memory
hardware
processor
application
software
program
process
code
parallel
embed
system
implement
execution
cache

TOPIC 22 0.0270

feature
data
use
classification
recognition
cluster
algorithm
learn
classifier
speech

vector
set
pattern
database
base

TOPIC 23 0.0014

algorithm
chaotic
time
slicing
predicate
et
al
computation
present
seed
mutual
trace
exclusion
show
parallel

TOPIC 24 0.0156

algorithm
fuzzy
problem
optimization
genetic
neural
search
set
solution
particle
function
rule
evolutionary
solve
swarm

TOPIC 25 0.0026

traffic
vehicle
grey
road
driver
control
flow
time
safety
intersection
transportation
urban

car
drive
travel

TOPIC 26 0.0002

delaunay
hla
sscs
hair
gamut
axiom
profinet
rti
chapter
mesh
fieldbus
gini
dde
damage
terrorist

TOPIC 27 0.0007

polynomial
vote
schedule
task
rm
degree
voter
malware
complexity
boolean
function
generator
epsiv
cnc
first

TOPIC 28 0.0001

bicycle
construction
cca
trend
upload
preservation
quota
ntf
boolean
feram
odd
reflexive
coallocation
buyback

obstacle-avoiding

TOPIC 29 0.0000

dongle

smooth

chromatic

rts

euvl

dominator

graph

worst-case

grower

csv

directional

tcb

uwcs

sailboard

controllability

TOPIC 30 0.0000

iandi

thm

clause

olp

specify

bet

halftone

minlp

synesthesia

kacm

kerm

cache-oblivious

iservicesi

9emcspansupsubspan

9emfont

TOPIC 31 0.0000

anchor

please

freedom

zhao

oseen-frank

tensor-order

gennes

landau-de

guiasu

democracy

kw

graphically

dep

gkmp

igkmp

TOPIC 32 0.0000

geoid

street

n3

dmv

anticollision

intellectualization

gravimetric

grace

lms200

schoolmate

skin-segmentation

sparc-compliant

globalization

egm96

warehouse

TOPIC 33 0.0000

complementarity

lcss

p-property

afhne

non-zeno

semidefinite-plus

conewise

feed

represent

admittance

year

radiate

seek

current

antenna

TOPIC 34 0.0000

vot

m100

limpet

magneto-resistive

lml

linearly

consonant-vowel

neuromagnetic

surely

gml

lrs-cdma

respect

db

applicability

right-handed

TOPIC 35 0.0000

facерomansifontsub15subequation

facерomankgfontkequation

facерomanlafefontsub115subfont

depressing

spike-shaped

equation238jfont

equation88kequation

equation29jfont

equation0-5tequation

equation138jfont

equation20kequation

feed

represent

admittance

year

2008

TOPIC 1 0.4917

use
propose
model
base
method
result
algorithm
present
data
show
approach
problem
new
network
performance

TOPIC 2 0.1064

service
network
user
technology
management
protocol
development
software
resource
mobile
research
security
web
communication
system

TOPIC 3 0.0323

stylefont-size
5emspanfont
equationfont
film
temperature
use
high
electron
layer
show
increase
surface
energy
structure
property

TOPIC 4 0.0611

field
frequency
optical
magnetic
measurement
structure
wave
current
method
result
high
surface
measure
mode
design

TOPIC 5 0.0224

cell
device
gate
transistor
current
voltage
process
technology
channel
effect
circuit
performance
nm
charge
memory

TOPIC 6 0.0196

test
process
package
use
high
material
thermal
design
reliability
solder
technology
chip
failure
temperature
circuit

TOPIC 7 0.0298

power
energy
control
wind
use
temperature
motor
voltage
electric
flow
gas
heat
water
discharge
result

TOPIC 8 0.0243

data
radar
use
target
satellite
vehicle
measurement
sensor
area
sar
surface
mission
water
land
develop

TOPIC 9 0.0639

power
frequency
voltage
design
use
circuit
signal
current
present
antenna
switch
high
filter
converter
output

TOPIC 10 0.0136

robot
control

controller
motion
design
mobile
dynamic
position
trajectory
manipulator
joint
obstacle
robotic
plan
wheel

TOPIC 11 0.0199

use
human
patient
signal
study
activity
subject
monitor
movement
body
motion
medical
develop
data
record

TOPIC 12 0.0396

image
method
object
feature
algorithm
3d
motion
detection
camera
imaging
segmentation
color
region
result
resolution

TOPIC 13 0.0196

signal
method
noise
recognition

feature
speech
algorithm
face
estimation
matrix
estimate
filter
classification
vector
transform

TOPIC 14 0.0168

architecture
design
processor
memory
hardware
performance
implementation
application
embed
algorithm
fpga
reduce
block
core
software

TOPIC 15 0.0348

channel
scheme
performance
code
rate
transmission
cod
error
receiver
interference
show
relay
transmit
communication
bit

TOPIC 16 0.0005

scheme
signature
al
signer
et
proxy

dvs
verifier
message
sign
give
skyline
property
designate
period

TOPIC 17 0.0035

document
text
word
language
semantic
query
character
retrieval
chinese
similarity
web
concept
experiment
feature
xml

TOPIC 18 0.0002

emr
accumulation
granularity
telemedicine
jpf
sc
ssm
subordinate
germany
hospital
pointwise
srl
pipelined
batch
client

TOPIC 19 0.0001

celator
metagraph
mab
ssta
fsm
magnet
pt
dominant

pe
checkerboard
smop
lqg
bifurcation
map-matching
dock

TOPIC 20 0.0001
portuguese
sdtw
reprogramming
discrete-event
vfz
igmp-ac
geographical
supervisory
oxadm
cfl
mirnas
owls-mx
alkanethiolate
avdc
vague

TOPIC 21 0.0000
lpv
hsub2sub
lsub2sub
azo
genscan
bend
mpda
fama
hppd
uwsns
needle-plate
left-side
short-cable
oplus
processing-based

TOPIC 22 0.0000
assist
vsi
kmcd
lookahead-pairs
nj
scroll
soft-start
out-of-fiber
administrative
subgroup

pmls
spdts
sawtooth-shaped
non-normal
mmmmiddotssup-1sup

TOPIC 23 0.0000
rimer
er
consequents
xo-64
taboo
evidential
rule-base
cspns
areardquo
communism
waveformspila
bin-doppler
cspn
substitution-permutation
neisse

TOPIC 24 0.0000
denote
gpslaser
facromanbatiofontsub3subxfont
bs5ct
bs10ct
bct
coasting
scanner-based
end-middle-end
replacement
mica
resource-rich
equation1400font
vouch
line-powered

TOPIC 25 0.0000
cimc
tpeg
sub-100-nm
marine
duo
follower
sti
sino-foreign
dui-mode
saltant
cimcpsilas
sti-mode

tpegml
ltd
single-shot

TOPIC 26 0.0000
tcns
maintainsupport
ucn
neighbor-counting
withindirect
ucns
antlrworks
concept
convey
give
overview
describe
fast
leaky-wave
use

TOPIC 27 0.0000
e-jit
just-in-time
eon
arpanet
nodal
jit
ejit
d3t1197
mesh-torus
degree-three
01ms
d4t11939
concept
convey
give

TOPIC 28 0.0000
presentationthis
modulescomponents
concept
convey
give
overview
describe
fast
leaky-wave
use
slow
goal
antenna
addition

travel

TOPIC 29 0.0000

scale-free-network-like

concept

convey

give

overview

describe

fast

leaky-wave

use

slow

goal

antenna

addition

travel

radiation

2009

TOPIC 1 0.3135

use
model
method
base
result
propose
present
algorithm
show
approach
problem
time
performance
new
technique

TOPIC 2 0.0239

equationfont
film
temperature
layer
stylefont-size
5emspanfont
high
show
use
increase
surface
electron
device
structure
property

TOPIC 3 0.0222

optical
laser
use
pulse
fiber
detector
light
beam
high
measurement
resolution
wavelength
signal
demonstrate
energy

TOPIC 4 0.0345

field
use
frequency
wave
magnetic
result
model
effect
surface
current
mode
show
plasma
study
material

TOPIC 5 0.0285

antenna
frequency
design
ghz
use
power
filter
present
db
circuit
propose
noise
low
result
bandwidth

TOPIC 6 0.0152

water
temperature
use
gas
result
area
study
data
show
high
concentration
heat
rate
increase
air

TOPIC 7 0.0096

stress
failure
test
reliability
temperature
solder
material
result
increase
high
thermal
effect
study
condition
joint

TOPIC 8 0.0186

use
process
sensor
device
temperature
high
technology
thermal
design
package
material
fabricate
silicon
chip
substrate

TOPIC 9 0.0066

cell
gene
protein
dna
biological
sequence
study
expression
molecular
interaction
structure
detection
concentration
acid
group

TOPIC 10 0.0128

patient
use

tissue
study
imaging
medical
data
signal
clinical
result
image
ecg
blood
disease
ultrasound

TOPIC 11 0.0089

vehicle
control
space
mission
satellite
design
flight
engine
ship
sensor
underwater
navigation
aircraft
spacecraft
develop

TOPIC 12 0.0278

model
management
base
study
analysis
evaluation
factor
information
development
enterprise
risk
analyze
method
process
research

TOPIC 13 0.0100

model
surface
method
design

process
base
result
simulation
control
parameter
curve
use
flow
structure
cut

TOPIC 14 0.0034

item
index
author
year
publication
al
entry
et
name
contain
ieee
conference
primary
first
recommendation

TOPIC 15 0.0622

technology
system
development
software
research
design
application
use
engineer
new
provide
develop
project
learn
process

TOPIC 16 0.0127

fault
motor
control
machine
speed
drive

torque
current
use
magnet
rotor
method
result
induction
design

TOPIC 17 0.0089

target
radar
signal
sar
track
method
data
array
frequency
range
use
aperture
imaging
scatter
resolution

TOPIC 18 0.0289

power
voltage
control
current
energy
converter
load
switch
wind
propose
use
output
present
high
grid

TOPIC 19 0.0197

network
traffic
packet
wireless
propose
control
access
performance

protocol
service
delay
scheme
link
transmission
throughput

TOPIC 20 0.0069

face
recognition
feature
facial
expression
emotion
image
human
music
database
analysis
sound
speech
component
method

TOPIC 21 0.0235

data
information
web
user
use
query
database
mine
search
model
knowledge
semantic
language
document
rule

TOPIC 22 0.0049

signal
brain
eeg
neural
activity
stimulation
neuron
use
study
subject

stimulus
visual
record
response
interface

TOPIC 23 0.0202

robot
motion
control
human
use
track
environment
object
sensor
force
movement
position
task
virtual
mobile

TOPIC 24 0.0228

channel
signal
performance
scheme
propose
interference
rate
receiver
power
spectrum
frequency
relay
show
user
system

TOPIC 25 0.0051

memory
cell
disk
storage
record
flash
device
medium
write
data
read
fractal

sram
high
fingerprint

TOPIC 26 0.0237

network
feature
data
classification
use
neural
learn
method
cluster
algorithm
propose
recognition
training
vector
classifier

TOPIC 27 0.0263

design
circuit
test
use
architecture
process
power
hardware
digital
data
implementation
implement
signal
software
present

TOPIC 28 0.0124

performance
application
parallel
memory
processor
compute
schedule
program
task
system
data
architecture
algorithm
resource

cache
TOPIC 29 0.0233
security
network
mobile
user
attack
use
data
information
scheme
propose
key
protocol
device
base
communication
TOPIC 30 0.0123
market
cost
price
chain
model
supply
game
agent
demand
strategy
optimal
network
electricity
customer
decision
TOPIC 31 0.0092
video
cod
propose
quality
frame
compression
algorithm
motion
scheme
stream
rate
block
result
high
error

TOPIC 32 0.0329
image
method
algorithm
use
propose
feature
object
base
detection
filter
result
transform
color
segmentation
wavelet
TOPIC 33 0.0036
aircraft
tv
air
flight
digital
traffic
safety
operation
data
broadcasting
airport
use
fm
dg
present
TOPIC 34 0.0124
service
web
application
architecture
resource
management
process
base
provide
business
framework
environment
grid
system
component
TOPIC 35 0.0184
network

node
sensor
wireless
routing
protocol
energy
communication
algorithm
propose
data
cluster
scheme
distribute
ad
TOPIC 36 0.0084
code
algorithm
cod
decoding
tree
error
matrix
propose
number
show
complexity
decoder
sequence
binary
rate
TOPIC 37 0.0075
measurement
location
localization
signal
positioning
error
accuracy
gps
environment
position
indoor
propagation
data
estimate
estimation
TOPIC 38 0.0018
substation
inference
sa

anfis
ini
iec
protection
rt
ivi
neuro-fuzzy
ft
ied
mv
iri
d

TOPIC 39 0.0222

control
controller
system
fuzzy
design
stability
nonlinear
propose
linear
dynamic
state
feedback
simulation
parameter
condition

TOPIC 40 0.0019

diagram
voronoi
point
set
show
dm
sw
operation
line
use
result
also
structure
mt
new

TOPIC 41 0.0103

algorithm
optimization
problem
search
genetic

particle
swarm
solution
pso
optimal
ga
convergence
evolutionary
global
result

TOPIC 42 0.0033

traffic
vehicle
road
graph
car
driver
color
intersection
lane
edge
vertex
safety
drive
light
time

TOPIC 43 0.0014

ec
ce
ilc
repair
mi
iterative
learn
adrc
ab
batch
pdf
eva
lip
theta
bdd

TOPIC 44 0.0010

da
fp
alpha
black
dcc
esp
tpa

formula
styleborder-topsolid
alignment
gamble
1px
po
150spantdd
nowrapnowrap

TOPIC 45 0.0015

agent
ma
multi-agent
convex
mp
dl
coordination
local
cap
hull
dpf
scc
agent-based
autonomous
polyhedron

TOPIC 46 0.0010

ca
er
group
ldr
respectively
cep
emc
imi
mu
content
omega
consensus
bxb
ge
microspheres

TOPIC 47 0.0010

psm
iai
idi
ibi
oc
bf
ici
vc
split

eb
supsup
cp
integral
t
middot

TOPIC 48 0.0009
acc
pt
bam
csr
srr
wban
titanium
bidirectional
ita
ng
dre
sv
etd
capacity
tds

TOPIC 49 0.0008
se
hr
klystron
rh
sdg
stage
olpc
fma
faceromanpbfontfont
sa
pwl
tesla
lof
spheroid
faceromanfefontsub05subfont

TOPIC 50 0.0009
memristor
parent
memristors
hnn
ipo
memristive
epd
odc
ssm
bm
ability

hif
jump
ideal
bd

TOPIC 51 0.0009
box
spc
vcc
black
quadratic
capacitance
capacitor
internal
mim
ei
nmr
mmc
idc

canonical

TOPIC 52 0.0010
quantum
automaton
state
al
cellular
et
c
cl
entanglement
tolerance
ssa
devs
classical
eos
pdp

TOPIC 53 0.0007
eb
srf
nmr
lm
renewal
lcs
ep
ppt
copolymer
monolayers
overpressure
ssta
rtc

ada
express

TOPIC 54 0.0006
ukf
component
extractives
acid
wood
phenol
compound
wick
identify
unscented
kf
kalman
analyze
etc
eucalyptus

TOPIC 55 0.0006
eo
lambda
black
styleborder-topsolid
1px
150spantdd
nowrapnowrap
cellpadding0
alignrightspan
cellspacing0trtd
column
erosion
terminal
gb
anchor

TOPIC 56 0.0006
tl
sd
geotechnical
mi
ccr
hf
ru
fdm
gamma-sub-sub
condenser
dfa
neutral
cdc
vlf
lombard

TOPIC 57 0.0007	td	dsd
vt	bag	bias
se	atml	spatially
es	clause	remove
dd	horn	islet
apc	lms	cd
slit	sit	asi
cnf	neutral	coi
ntp	surrogate	hsub2subosub2sub
spare	iof	tt
para	minimal	academy
sit	attachment	csa
supervisor	consultation	mwnts
solver	hsm	
lsa	tda	TOPIC 64 0.0004
facromancoofontsub2subequation	TOPIC 61 0.0006	sub2sub
	metamorphic	cct
TOPIC 58 0.0004	mi	sub1sub
emulsion	rad	ini
dwell	equationsupsupequation	rsfq
renewability	gbe	bh
sylllogism	hpa	gda
dpi	breath	rubber
gelatin	lt	bilayers
quantum-well	club	ax
texas	dominate	silicone
potassium	mcf	rome
tabular	tcc	hdsb5-7sub
tcp	bag	york
ih	elrpim	spitzer
aristotelian	solvent	
single-layer		TOPIC 65 0.0003
wo	TOPIC 62 0.0004	sscg
	lr	level-set
TOPIC 59 0.0007	travel-time	cat
ahe	pfn	sata
meat	iga	silk
bg	nc-si	pear
preference	ztj	concentrator
pasture	spls	cdo
pan	bias	uc-ebg
respectively	bt	h-nmru
il	coupon	pedot
bot	en	opacs
modifier	mosin	multi-surface
eda	psi	tsubame
pyroprocessing	ssrs	p
liner	lambdasubcsub	
pork	TOPIC 63 0.0005	TOPIC 66 0.0002
graze	thermodynamic	loo
	explosive	polyhedral
		vectorization
		snsdp

iceberg
cop
pfl
vircator
cathode-wing
faceromantifontsub05subfont
faceromansrhffontsub05subfont
omega
low-stress
homomorphism
dscs

TOPIC 67 0.0004

bcp
etsoi
bedpan
fold
step-size
e-training
arch
nonblocking
donation
efm
four
pf
hb
mcr
generalised

TOPIC 68 0.0002

mu
neat
icsi
portability
sae
resource-allocation
vfoa
edeta
ferro-nanofluid
householder
langmuir
masonry
2-norm
inter-chip
jcaf

TOPIC 69 0.0003

tid
sdt
g-blast
adl
mstid
csgd

redflag
withdrawal
serialized
hexavalent
sbh
gsom
microhand
faceromanlnfontsub2subequation
alma

TOPIC 70 0.0001

tibet
cartography
basement
listing
micro-finance
low-income
heavy-hitters
cop
pavement
pef
gravel
shr
nshr
tvar
eta

TOPIC 71 0.0001

monoids
ajd
formulaic
portlet
hosvd
wordle
endoprimal
two-parameter
p-ca
npa
nrhc
mnf
ibarbatusi
block-diagonal
waist

2010

TOPIC 1 0.3759

use
propose
model
method
base
result
algorithm
data
show
present
problem
approach
performance
time
new

TOPIC 2 0.0203

patient
study
cell
imaging
tissue
medical
result
activity
gene
brain
disease
human
image
signal
treatment

TOPIC 3 0.0406

use
temperature
field
result
high
surface
material
heat
study
increase
thermal
effect
flow
process
pressure

TOPIC 4 0.0230

device
high
cell
use
current
layer
gate
process
silicon
voltage
transistor
low
solar
effect
detector

TOPIC 5 0.0284

antenna
frequency
use
design
array
ghz
wave
structure
present
mode
measurement
couple
optical
two
laser

TOPIC 6 0.0157

equationfont
film
magnetic
temperature
stylefont-size
5emspanfont
layer
field
electron
property
structure
show
increase
energy
surface

TOPIC 7 0.0193

market
price
risk
customer
company
management
demand
service
china
supply
financial
factor
game
policy
decision

TOPIC 8 0.0135

data
water
use
area
soil
land
study
result
radar
sar
spatial
surface
change
model
high

TOPIC 9 0.0439

technology
development
learn
research
software
design
student
engineer
develop
process
project
system
study
teach
new

TOPIC 10 0.0140

optical
sensor

communication
signal
satellite
navigation
system
vehicle
gps
positioning
underwater
fiber
provide
receiver
technology

TOPIC 11 0.0124

energy
vehicle
traffic
road
urban
year
city
driver
information
transportation
car
grid
item
conference
area

TOPIC 12 0.0265

fault
evaluation
analysis
model
monitor
power
index
line
development
factor
protection
safety
risk
equipment
analyze

TOPIC 13 0.0415

power
voltage
control
current

circuit
converter
frequency
propose
design
present
load
output
switch
high
wind

TOPIC 14 0.0065

3d
aircraft
flight
emotion
human
speech
sound
facial
expression
interaction
head
emotional
user
environment
vehicle

TOPIC 15 0.0236

channel
scheme
code
cod
performance
rate
error
show
transmission
bit
power
receiver
transmit
user
video

TOPIC 16 0.0240

design
architecture
memory
hardware
application
implementation

process
processor
performance
parallel
use
implement
software
fpga
embed

TOPIC 17 0.0085

graph
algorithm
curve
surface
interpolation
edge
3d
shape
match
mesh
vertex
arc
path
polynomial
tree

TOPIC 18 0.0302

user
data
service
information
security
web
application
mobile
attack
provide
device
network
key
technology
access

TOPIC 19 0.0290

signal
filter
noise
frequency
propose
estimation
algorithm
estimate

measurement
wavelet
error
target
transform
sample
result

TOPIC 20 0.0045

virtual
machine
cut
tool
gear
machining
sr
sram
migration
virtualization
ca
technology
operation
operate
read

TOPIC 21 0.0400

image
feature
method
algorithm
recognition
classification
object
detection
base
video
cluster
extract
segmentation
color
classifier

TOPIC 22 0.0129

management
enterprise
knowledge
product
development
model
innovation
information
base
chain

service
technology
business
resource
design

TOPIC 23 0.0167

network
wireless
packet
protocol
traffic
delay
communication
node
routing
transmission
link
throughput
access
schedule
sensor

TOPIC 24 0.0088

test
package
reliability
testing
solder
chip
bond
failure
fault
circuit
technology
assembly
thermal
module
board

TOPIC 25 0.0110

model
analysis
vibration
method
element
machine
finite
stress
dynamic
structure
force
analyze

simulation
magnetic
load

TOPIC 26 0.0171

network
node
sensor
wireless
protocol
routing
energy
propose
distribute
scheme
mobile
cluster
communication
resource
stream

TOPIC 27 0.0067

query
model
database
language
ontology
semantic
software
xml
document
code
domain
concept
framework
search
object

TOPIC 28 0.0282

control
robot
controller
motion
track
design
dynamic
use
feedback
stability
simulation
position
force
nonlinear

trajectory

TOPIC 29 0.0038

fuzzy
logic
rule
set
braking
vehicle
formula
program
reasoning
schedule
battery
hybrid
boolean
theory
car

TOPIC 30 0.0071

channel
relay
probability
derive
expression
distribution
fade
function
capacity
bind
result
outage
diversity
consider
analytical

TOPIC 31 0.0024

engine
al
et
fuel
diesel
fcm
emission
test
combustion
plan
bpnn
lcc
cycle
exhaust
c-means

TOPIC 32 0.0040

cell
user
station
cellular
base
interference
mobile
resource
allocation
lte
scheme
performance
radio
system
frequency

TOPIC 33 0.0027

schedule
cloud
resource
task
job
compute
scheduler
ps
jamming
mechanism
event
real-time
execution
nuclear
dm

TOPIC 34 0.0016

box
sip
tv
iptv
ims
mg
medium
television
android
ld
overload
calibration
freeway
subsystem
set-top

TOPIC 35 0.0065

service

user
spectrum
cognitive
sense
workflow
radio
web
primary
secondary
composition
cr
process
qos
business

TOPIC 36 0.0027

signature
scheme
bug
trigger
bifurcation
detector
mc
event
proxy
verification
et
al
chaotic
report
ring

TOPIC 37 0.0018

ec
smc
pm
passivity
subsub
matrix
tm
bot
symmetry
gc
cnn
wear
phd
ihi
macromodels

TOPIC 38 0.0034

3d
display
video

quality
camera
depth
screen
belt
stereoscopic
digital
virtual
anchor
user
conveyor
image

TOPIC 39 0.0009

webgis
svg
technology
ajax
geographic
transmission
exponent
storage
chromosome
realize
ms
graphic
vector
compress
express

TOPIC 40 0.0015

cc
shot
cube
flock
hamiltonian
olap
scc
tape
aif
lssvm
hypercube
wf
hyperbolic
mod
extract

TOPIC 41 0.0025

problem
optimization
evolutionary
multi-objective
genetic

objective
solve
pareto
optimal
population
multiobjective
regularization
operator
diversity
constraint

TOPIC 42 0.0043

particle
optimization
swarm
pso
machine
motor
magnet
torque
permanent
design
rotor
magnetic
flux
parameter
stator

TOPIC 43 0.0012

hdr
range
svr
sm
mat
exposure
tone
dynamic
np
bamboo
ldr
honey
support
knn
complex

TOPIC 44 0.0017

matrix
container
fabric
door
aco
equation
np

entropy
ant
colony
convergence
terminal
permutation
epc
sf

TOPIC 45 0.0013

svr
regression
jnd
ha
halftone
unwrapping
miss
amr
vector
exergy
diffusion
ln
imputation
forage
screen

TOPIC 46 0.0011

tpa
associative
spe
entanglement
product
csm
red
tta
sw
rsm
cmac
magnetron
workstation
decomposition
dm

TOPIC 47 0.0010

eps
nmpc
epd
flexray
synchronizer
bg
der
coherence
four

th	xsubnsb	bsps
decoy	dsc	imt
t	par	
il	eddie	TOPIC 54 0.0003
artist		bm
prefilter	TOPIC 51 0.0005	bvd
	bin	blackbody
TOPIC 48 0.0008	preschooler	irl
pp	ventilation	disagreement
bend	adjacent	tw
fr	msec	pg
strand	si-nws	electrolyser
nmr	legalization	flavor
vol	clr	diameap
sma	l-3	zein
cutset	symptom	plain
p1	shuffle	f10
p2	coffee	ird
soft-sensing	ddce	psn
fret	gase	
k2	vinegar	TOPIC 55 0.0004
repair		edas
td	TOPIC 52 0.0005	eda
	i	canyon
TOPIC 49 0.0011	dst	mcts
sam	hb	submarine
s	durability	colloidal
prognostic	indicator	tablet
cd	ra	dha
phm	phononic	zhujiang
bh	release	alf
mine	photoelectric	nbn
mlpnn	c4	det
dsm	c3	sub-lexical
optimum	stsa	umda
perceptron	spheroid	taper
scale	pd-cu	
forecast	idc	TOPIC 56 0.0002
lod		pdc
namely	TOPIC 53 0.0005	cf
	tpms	ban
TOPIC 50 0.0007	bop	odour
fsm	rewiring	cb
er	tow	red
cs-pmsm	polyurethane	atp
em	bts	evolvment
ai	spare	ci
e	los	unconfined
pc	bromine	kp-nmf
ivc	epistemic	networkprofiler
lcx	dysup3sup	giant
fm	cartographic	transmural
da	mga	cd-fwm

TOPIC 57 0.0002

advertise
mbp
cdrs
drp
multi-player
hepg-2
wlfz
aki
pstd
motif
hypotension
eav
gspbcdp
lisa
t-cigt

rf-cmos
real
zsub2sub
247db
metal-fingers
4042db
139pf
22pf
4047db
code
probe
four
thermal
impedance
slot

TOPIC 58 0.0001

psm
blame
par
zooplankton
sup137supcs
a-view
ti-si-n
strassens
rekf
inter-contact
hillslopes
cv
ppm
subsea
usher

TOPIC 59 0.0000

harvester
fell
rwp
daytime
ptc
nanogaps
tuck
limbing
faceromansinfonthequation
operation
ncmr
spend
pleasant
breast
trs

TOPIC 60 0.0000

2011

TOPIC 1 0.0624

user
information
application
software
security
technology
system
mobile
provide
management
requirement
architecture
environment
communication
design

TOPIC 2 0.3770

use
model
propose
method
base
result
data
present
show
approach
process
time
performance
new
different

TOPIC 3 0.0270

film
layer
device
temperature
high
magnetic
effect
current
show
increase
structure
use
field
electron
property

TOPIC 4 0.0103

cell
surface
particle
concentration
show
process
reaction
temperature
study
result
material
nanoparticles
increase
high
solution

TOPIC 5 0.0188

energy
water
consumption
soil
efficiency
power
result
high
heat
emission
plant
area
solar
gas
oil

TOPIC 6 0.0220

optical
laser
pulse
use
fiber
light
plasma
wavelength
high
mode
demonstrate
beam
signal
frequency
measurement

TOPIC 7 0.0087

concentration
cell
protein
effect
result
gene
study
use
rate
increase
show
treatment
removal
high
group

TOPIC 8 0.0251

temperature
use
thermal
material
test
high
process
heat
stress
result
sensor
surface
structure
design
package

TOPIC 9 0.0162

technology
research
year
new
review
development
ieee
item
engineer
system
also
standard
first
author
field

TOPIC 10 0.0264

power
voltage

fault
current
control
wind
grid
load
simulation
generator
motor
energy
machine
frequency
electric

TOPIC 11 0.0162

robot
motion
control
human
movement
sensor
force
task
hand
position
body
robotic
joint
object
mobile

TOPIC 12 0.0065

tissue
imaging
blood
ultrasound
study
pressure
patient
use
flow
vessel
measure
clinical
disease
wave
transducer

TOPIC 13 0.0116

data
use
area
surface

satellite
measurement
water
monitor
wave
sea
ocean
mission
underwater
radar
study

TOPIC 14 0.0289

development
management
enterprise
china
analysis
industry
factor
research
risk
analyze
evaluation
resource
study
economic
model

TOPIC 15 0.0114

vehicle
model
traffic
control
simulation
design
aircraft
air
dynamic
road
flight
flow
safety
speed
vibration

TOPIC 16 0.0198

field
method
simulation
equation
model
numerical

flow
wave
result
magnetic
surface
obtain
scatter
electromagnetic
velocity

TOPIC 17 0.0050

query
array
search
pattern
database
element
tree
match
xml
beam
index
retrieval
structure
document
transducer

TOPIC 18 0.0200

feature
classification
neural
learn
recognition
data
cluster
classifier
face
algorithm
training
vector
image
pattern
propose

TOPIC 19 0.0073

vehicle
mine
engine
safety
fuel
coal
fire
control

electric
battery
combustion
gas
accident
traffic
road

TOPIC 20 0.0341

power
circuit
design
voltage
signal
high
low
output
noise
present
propose
cmos
technology
device
digital

TOPIC 21 0.0035

tourism
talent
iec
substation
tourist
construction
university
protection
study
digital
anchor
pile
travel
fabric
sa

TOPIC 22 0.0046

customer
product
service
lightning
consumer
satisfaction
trust
music
line
perceive

brand
behavior
value
sound
factor

TOPIC 23 0.0085

patient
monitor
health
signal
medical
data
ecg
heart
activity
diagnosis
disease
care
clinical
study
body

TOPIC 24 0.0222

frequency
antenna
design
ghz
filter
use
band
present
bandwidth
propose
two
structure
db
result
measure

TOPIC 25 0.0118

performance
memory
architecture
processor
parallel
hardware
implementation
resource
core
program
schedule
cache

time
compute
task

TOPIC 26 0.0171

propose
code
cod
scheme
error
channel
video
algorithm
performance
rate
bit
signal
complexity
show
compression

TOPIC 27 0.0096

speech
recognition
feature
text
word
method
language
document
model
audio
approach
character
cluster
extract
semantic

TOPIC 28 0.0193

image
method
3d
use
object
segmentation
algorithm
camera
video
region
color
point
reconstruction
imaging

map	TOPIC 32 0.0136	controller
TOPIC 29 0.0344	learn	fuzzy
network	student	design
node	teach	propose
channel	education	stability
wireless	engineer	nonlinear
scheme	social	simulation
communication	knowledge	linear
transmission	technology	parameter
sensor	design	dynamic
user	study	adaptive
simulation	course	feedback
performance	research	problem
protocol	project	disturbance
power	university	
relay	computer	TOPIC 36 0.0035
routing		storage
	TOPIC 33 0.0047	memory
TOPIC 30 0.0259	synchronization	data
image	chaotic	detector
algorithm	detector	flash
method	neutron	esd
signal	nuclear	performance
target	simulation	sc
detection	reactor	test
filter	energy	program
noise	radiation	trigger
track	measurement	write
estimation	gamma	read
propose	chaos	energy
sensor	bifurcation	protection
estimate	nonlinear	
object	response	TOPIC 37 0.0058
radar		control
	TOPIC 34 0.0037	motor
TOPIC 31 0.0050	service	speed
switch	web	drive
converter	network	controller
voltage	attack	torque
propose	user	vehicle
current	file	simulation
control	handover	performance
power	spam	use
output	search	high
inverter	page	force
circuit	scheme	position
present	ip	strategy
frequency	email	machine
high	internet	
input	malicious	TOPIC 38 0.0073
loss	TOPIC 35 0.0160	market
	control	price
		model

cost
forecast
demand
game
supply
service
chain
stock
company
risk
strategy
electricity

TOPIC 39 0.0021

autaton
learn
crime
ilc
sketch
cellular
clock
diagram
sb
expression
dfa
rls
gui
gear
repetitive

TOPIC 40 0.0032

image
algorithm
filter
edge
iris
restoration
biometric
blur
denoising
fingerprint
wavelet
scheme
transform
template
migration

TOPIC 41 0.0018

measurement
unit
state
repair
phasor

power
pmu
estimator
monitor
oscillation
ce
observability
placement
pmus
stability

TOPIC 42 0.0105

algorithm
problem
optimization
search
solve
genetic
optimal
particle
swarm
pso
function
result
convergence
schedule
simulation

TOPIC 43 0.0013

lattice
ea
avionics
openflow
replica
mde
abstraction
counterexample
ima
slr
cube
mdo
ec
sub1sub
dtn

TOPIC 44 0.0013

net
petri
deadlock
fm
nlos
los
mark

control
toa
graph
policy
eps
manufacture
al
class

TOPIC 45 0.0011

refactoring
beacon
smell
logic
maintainability
deicing
csr
plm
aspect-oriented
refactorings
module
specification
lathe
string
mantle

TOPIC 46 0.0009

mpls
lod
hla
divergence
barrier
pr
logic
ssr
cws
lattice
click
referral
theorem
wirelesshart
isa

TOPIC 47 0.0007

vague
puzzle
sbl
timer
vc
polynomial
pause
arl
opera

lpa
macadam
callee
mg
vf
vetronics

TOPIC 48 0.0008

clone
bt
fcm
vn
fr
intuitionistic
owa
mor
exception
relation
vns
substrate
race
let
nids

TOPIC 49 0.0006

gd
doc
sto
flange
dmcs
om
fuzzy-rough
superfine
amp
tasa
shi
adaptor
debris-flow
cmsup-1sup
test-suite

TOPIC 50 0.0007

tensor
bug
rt
tc
son
m-trail
i
m3
fa
vector
micro-displacement

ld
fnns
tcas
nanocolumn

TOPIC 51 0.0006

bi
emergy
go
nem
meat
record
prism
manifold
sandstorm
kanban
delegation
hwmp
isd
s
wake

TOPIC 52 0.0006

sdd
brb
u-city
sdds
dme
moore
points-to
wgas
gazno
acf
epsilon
icr
de
fr
ox

TOPIC 53 0.0005

proxy
epi
bm
criterra
seeding
race
re-encryption
vmin
mninf5infgeinf3inf
mcts
taguchi
cheese
pin-pmn-pt

pyroelectric
protector

TOPIC 54 0.0005

respectively
md
lgt
ci
lasiocarpa
carex
smooth
burst-mode
low-rank
lfe
supnsup
equationdsbfont
timetable
gravimeter
raft

TOPIC 55 0.0003

hydrofluoric
so
f-information
wiggler
vfcps
conceal
pegmatite
data-iterative
syn
truthful
rework
q-function
hbd
npk
base-state

TOPIC 56 0.0004

de
uc
connect6
puf
depiction
oost
ddk
mnsub05subznsub05subfesub2subos
ub4subau
deviation
sec
niti
mediated
multi-layered
crowdsourcing

dbp

TOPIC 57 0.0003

binder

log

zernike

stripmap

ql

vsubbsub

gidl

sige-channel

gdy

clozapine

generic

meridian

scansar

50-pen

comfa

TOPIC 58 0.0001

clock-network

yang

impermeability

qdc

ball-and-beam

latosol

yohcosub3subeup3supybosub3sub

eusup3sup

nanodot

sdp

inter-component

overhear

ccg

tox

aidr

veerampattinam

TOPIC 59 0.0000

silicate

geospace

rdt

bsfs

mginf1infinf-xinfzninfxinfo

evil

pentaphyllum

lxrs

gr

dragonfly

nsubmsub

5-circular-core-array

link-state

polyhedron

micro-silica

TOPIC 60 0.0000

cimic

reconstruction

codem

c-ooda

ic

absurdity

aminensub235sub

tri-akylphosphine

ph910

nsub235sub

nsub235sub-trpo

oxidetrpoand

ducharme

civil-military

rioux

TOPIC 61 0.0000

vps

1x

meta-policy

si-npa

fragile

pin-type

cottbus

galden

1-xbatiosub3sub-xbimgtiosub3sub

high-resistivity

150nm

icem

wll

eii

coconut

TOPIC 62 0.0000

dsml

dsmls

player

two-view

correct-by-construction

hdmi-14

3147w

3d-rich

rfservo

11533v

5625mmsup2sup

associated

picml

soved

funcation

TOPIC 63 0.0000

amplifierlna

088bisub05subnasub05subtiosub3su

b-

008bisub05subksub05subtiosub3sub-

004batiosub3sub

ccmsup-2sup

srtio3

srruo3

trap-filling

67dbm

75-9766

172dbm

1454-5166db

7404mw

organize

immortalize

sumptuous

national

2012

TOPIC 1 0.4562

use
propose
method
model
base
result
algorithm
show
data
approach
network
performance
present
problem
time

TOPIC 2 0.0174

use
cell
imaging
method
tissue
study
segmentation
gene
protein
cancer
biological
reconstruction
ultrasound
region
show

TOPIC 3 0.0404

film
surface
layer
use
temperature
show
structure
property
high
electron
material
increase
low
substrate
effect

TOPIC 4 0.0272

optical
signal
frequency
channel
laser
fiber
use
pulse
wave
modulation
transmission
mode
wavelength
demonstrate
high

TOPIC 5 0.0447

current
control
magnetic
field
model
result
wind
voltage
simulation
motor
frequency
effect
controller
study
design

TOPIC 6 0.0398

device
voltage
power
current
high
circuit
sensor
temperature
charge
test
technology
electrical
result
process
gate

TOPIC 7 0.0288

energy
temperature
power
use
heat
result
plasma
gas
study
thermal
flow
pressure
increase
solar
high

TOPIC 8 0.0203

data
use
area
water
radar
model
sar
surface
result
study
soil
spatial
wind
satellite
land

TOPIC 9 0.0239

control
vehicle
controller
design
track
drive
sensor
dynamic
navigation
system
position
road
disturbance
trajectory
environment

TOPIC 10 0.0112

patient
signal

monitor
health
medical
data
study
heart
analysis
disease
ecg
diagnosis
record
activity
measure

TOPIC 11 0.0077

process
wire
bond
test
joint
solder
surface
wafer
material
design
cu
manufacture
force
pad
stress

TOPIC 12 0.0240

power
voltage
converter
output
propose
switch
control
design
use
efficiency
high
load
input
amplifier
low

TOPIC 13 0.0441

service
management
cloud
technology

development
resource
software
market
product
business
research
need
requirement
smart
study

TOPIC 14 0.0120

fault
transformer
converter
signal
speech
noise
oil
cable
insulation
test
pd
current
analysis
line
substation

TOPIC 15 0.0210

circuit
design
frequency
signal
use
noise
phase
digital
filter
cmos
formula
present
power
low
clock

TOPIC 16 0.0148

feature
image
recognition
language
classifier
speech

extract
word
text
database
face
extraction
training
label
result

TOPIC 17 0.0428

technology
learn
user
research
student
information
design
development
engineer
system
process
provide
social
tool
develop

TOPIC 18 0.0162

data
security
attack
information
query
key
scheme
use
database
secure
privacy
search
protocol
access
authentication

TOPIC 19 0.0218

robot
motion
use
human
object
control
3d
camera

force
movement
visual
sensor
hand
experiment
recognition

TOPIC 20 0.0091

code
web
content
page
information
item
service
ieee
use
video
library
copyright
source
program
author

TOPIC 21 0.0264

antenna
frequency
design
array
use
ghz
filter
band
present
propose
structure
bandwidth
result
measurement
element

TOPIC 22 0.0064

memory
performance
cache
architecture
application
parallel
processor
core
program
hardware

implementation
gpu
schedule
execution
reduce

TOPIC 23 0.0045

color
game
player
pixel
processor
light
illumination
space
transform
blue
rgb
architecture
histogram
code
luminance

TOPIC 24 0.0030

network
protocol
communication
ipv6
packet
device
wireless
internet
ip
address
mobility
handoff
architecture
layer
m2m

TOPIC 25 0.0038

data
application
performance
parallel
compute
io
storage
graph
file
implementation
gpu
matrix

code
disk
memory

TOPIC 26 0.0046

memory
cell
architecture
error
write
fpga
read
sram
fault
reduce
area
bit
operation
processor
overhead

TOPIC 27 0.0120

network
node
protocol
routing
traffic
wireless
packet
service
mobile
path
internet
throughput
topology
bandwidth
mobility

TOPIC 28 0.0076

channel
scheme
relay
performance
cod
rate
code
error
mimo
decoding
receiver
fade
transmission
interference

transmit

TOPIC 29 0.0035

grid
power
software
processor
turbine
generator
hardware
model
requirement
agile
dfig
fault
farm
implementation
development

TOPIC 30 0.0007

message
light
iri
intuitionistic
aggregate
pir
forward
bifurcation
quantizers
vc
resolution
integer
rep
channel
al

TOPIC 31 0.0010

avionics
wavelet
contourlet
aco
twstft
nonsubsampling
ant
labelling
nsct
pendulum
islanding
sap
backup
ima
invert

TOPIC 32 0.0011

fault
fdi
isolation
upqc
cps
compensation
curve
facade
datacenter
tolerance
governor
diagnosis
fim
unify
nonlinear

TOPIC 33 0.0003

be
ransac
silicone
alf
topologically
tfgs
gun
dm
ncc
ldsml
ctgf
lsub2sub-gain
uii
ii
rssi-based

TOPIC 34 0.0004

capacity
dca
gep
backpressure
idleness
log
dof
rlnc
simulink
fn
gn
serpentine
mit
tracklets
gbu

TOPIC 35 0.0006

checkpoint

program
bug
crash
failure
user
could
restarting
execution
value
different
cf
iim
take
recovery

TOPIC 36 0.0003

hvdc
wide-area
multi-view
macrocell
h264avc
wadc
rating
multiuser
gts
selenium
3d-me
h264mvc
calculator
wadcs
backoff

TOPIC 37 0.0001

efflux
oxldl
decoupled
lcf
radius
pbfsup2sub
sclemc
mocd
optimus
heusler
dd
resource-constrained
regressor
adfe
dcl

TOPIC 38 0.0001

lg
hmsup2sup
ttethernet

vbm3d
ambso
spp
wtgs
dvs
sq
laie
fe
subnsubi
vertex
tl
summation

TOPIC 39 0.0000

scis
daas
isci
caas
multi-user
aggregation
rsubssub
u3i
componentsfactor
pcfa
gme
rank-4
90-mhz
non-pure
aupolyvinyl

TOPIC 40 0.0000

chunk
classiamp64257er
extenics
progrmmed
optmal
reamp64257nes
kernel-density-based
amp64257rst
vectors-based
consturcted
perspective
batioinf3infnematic
prefitting
ito
give

TOPIC 41 0.0000

colloid
alt3
neighbourhood
sdrs
srcimagestex602gif

toilet
msic
jump-markov
aqbp
nicrpzt
nicrpzn-pt
outing
nilpotence
metacognitive
stml

TOPIC 42 0.0000

v2sim
ce-contents
scrz
novel
bsubrsub
hsubcsub
bsubmsub
auditor
aco-tcat
mcgc
cloud-system
computing
resources-is
converged-infrastructure
drsnsrndr

TOPIC 43 0.0000

vpe
sprayer
wwz
sap
deleted
exo
operationfossil
solarised
lomb-scargle
xref
disoersion
distributionally
vp-ellipsis
2001xref
vp-topicalization

2013

TOPIC 1 0.3689

use
model
propose
result
base
method
approach
algorithm
show
present
data
time
performance
also
system

TOPIC 2 0.0612

technology
user
service
research
development
information
management
software
process
social
study
project
develop
provide
market

TOPIC 3 0.0221

sensor
use
material
process
temperature
surface
thermal
device
test
package
bond
stress
substrate
structure
mechanical

TOPIC 4 0.0179

film
temperature
magnetic
property
show
layer
increase
sample
structure
result
study
phase
high
surface
effect

TOPIC 5 0.0343

power
control
voltage
energy
converter
current
load
propose
grid
wind
switch
output
inverter
present
simulation

TOPIC 6 0.0202

optical
laser
light
pulse
fiber
wavelength
quantum
use
high
demonstrate
mode
power
nm
beam
spectrum

TOPIC 7 0.0189

temperature
energy
plasma
heat
charge
high
flow
gas
use
pulse
result
thermal
discharge
power
pressure

TOPIC 8 0.0175

device
current
high
layer
voltage
transistor
gate
cell
effect
low
temperature
show
use
performance
silicon

TOPIC 9 0.0281

field
method
magnetic
model
wave
use
frequency
motor
simulation
electromagnetic
structure
element
surface
equation
machine

TOPIC 10 0.0079

patient
use

medical
disease
health
blood
protein
clinical
study
treatment
drug
care
healthcare
pressure
tissue

TOPIC 11 0.0138

fault
test
failure
power
current
voltage
protection
line
reliability
distribution
detection
cable
monitor
transformer
condition

TOPIC 12 0.0044

cell
formula
solar
formulatypeinline
img
fuel
efficiency
result
increase
membrane
weld
culture
concentration
treatment
production

TOPIC 13 0.0048

gene
detection
oil
dna

biological
sample
sequence
cell
study
microfluidic
concentration
chemical
molecule
expression
method

TOPIC 14 0.0317

image
method
object
3d
detection
video
camera
color
map
track
pixel
region
information
result
noise

TOPIC 15 0.0059

detector
measurement
energy
use
radiation
resolution
neutron
beam
nuclear
measure
source
x-ray
particle
detection
material

TOPIC 16 0.0067

satellite
mission
space
design
data
solar

earth
develop
instrument
station
orbit
spacecraft
system
test
navigation

TOPIC 17 0.0320

antenna
frequency
design
ghz
filter
use
array
signal
present
propose
power
band
bandwidth
db
high

TOPIC 18 0.0055

water
underwater
sensor
acoustic
vehicle
ship
ocean
environment
monitor
sea
mine
data
marine
coal
area

TOPIC 19 0.0129

data
radar
area
target
sar
resolution
surface
image

spatial
model
measurement
land
study
sense
result

TOPIC 20 0.0238

channel
scheme
signal
propose
performance
rate
error
code
transmission
relay
cod
receiver
noise
interference
communication

TOPIC 21 0.0072

brain
signal
eeg
neural
study
activity
use
subject
stimulation
visual
record
neuron
stimulus
result
response

TOPIC 22 0.0091

data
memory
storage
cache
reduce
access
file
store
time
high

write
server
read
scheme
large

TOPIC 23 0.0200

control
controller
track
stability
propose
dynamic
nonlinear
state
linear
vehicle
feedback
model
disturbance
problem
parameter

TOPIC 24 0.0175

robot
control
motion
human
use
sensor
force
movement
hand
body
device
robotic
task
position
design

TOPIC 25 0.0166

application
compute
cloud
performance
resource
parallel
program
architecture
task
process
schedule
execution

processor
platform
software

TOPIC 26 0.0148

algorithm
problem
optimization
fuzzy
propose
search
solve
particle
method
optimal
function
genetic
filter
swarm
objective

TOPIC 27 0.0052

signal
ecg
rate
heart
cell
monitor
sleep
detection
scheme
frequency
study
cardiac
detect
interference
record

TOPIC 28 0.0231

design
circuit
power
use
architecture
process
digital
propose
technology
hardware
cmos
implement
signal
implementation

consumption

TOPIC 29 0.0093

data
user
query
web
search
information
database
semantic
retrieval
mine
document
ontology
graph
content
similarity

TOPIC 30 0.0239

feature
classification
recognition
learn
method
propose
classifier
speech
training
cluster
accuracy
vector
face
machine
base

TOPIC 31 0.0064

image
tag
tissue
rfid
imaging
segmentation
ct
medical
cancer
breast
patient
tumor
method
ultrasound
detection

TOPIC 32 0.0108

vehicle
test
traffic
software
road
testing
drive
driver
safety
car
code
electric
system
speed
transportation

TOPIC 33 0.0149

student
learn
engineer
course
education
teach
program
university
ieee
year
conference
computer
author
science
also

TOPIC 34 0.0265

network
mobile
service
protocol
data
security
node
routing
device
cloud
communication
traffic
application
attack
smart

TOPIC 35 0.0035

video

stream

tv
content
peer
service
broadcasting
digital
p2p
television
multimedia
transmission
user
standard
broadcast

TOPIC 36 0.0079

scheme
key
security
propose
message
information
attack
encryption
secure
user
protocol
secret
privacy
communication
show

TOPIC 37 0.0252

network
user
wireless
node
energy
propose
power
channel
communication
spectrum
radio
resource
throughput
access
sensor

TOPIC 38 0.0031

video
cod
quality

stream
compression
content
hevc
prediction
frame
standard
high
mode
complexity
scheme
encoding

TOPIC 39 0.0030

graph
estimator
tree
clone
forecast
grey
matrix
et
al
vertex
give
gm
weight
boolean
class

TOPIC 40 0.0014

anomaly
volatility
scm
eps
ap
singular
at
ao
tariff
reachability
lemma
et
sub2sub
formulatypelininetex
csp

TOPIC 41 0.0034

equation
matrix
chaotic
differential
nonlinear

condition
stability
polynomial
solution
numerical
circuit
state
synchronization
memristor
approximation

TOPIC 42 0.0010

vertex
chinese
graph
edge
medicine
recipe
herb
radix
csr
rl
new
tcm
sse
theory
core

TOPIC 43 0.0010

probe
recovery
dt
ri
lift
observability
leader
cbc
actor
mmv
sif
imi
cluster-head
iki
deg

TOPIC 44 0.0008

sl
hub
equationfont
csp
me
ofs
scp

causal
esr
mfl
ansi
black-start
raw
monotonic
tesla

TOPIC 45 0.0009

ui
di
csa
lm
c
ap
generalize
telescope
ssub1sub
clusterheads
mrp
awg
clusterhead
street
smearing

TOPIC 46 0.0007

iddq
cpi
pit
non-alternating
autodyne
ssa
primitive
flexray
actorgames
pmc
zc
concurrent
crossing
cai
emrs

TOPIC 47 0.0008

localisation
der
mcc
scam
gts
compositional
sts
tde
mean-field

de
v
french
li
interval-valued
gl

TOPIC 48 0.0007
pfos
cdc
decomposition
ratio
average
cg
sprite
competitive
convolution
inversion
pfcas
chain
decompose
imputation
metaphor

TOPIC 49 0.0007
ce
parameterized
mesh
middle
solid
ba
flag
velvet
cvt
wrc-fpld
quadrilateral
girder
filtration
fpe
pra

TOPIC 50 0.0007
rt
tone
dialect
pr
iphone
lag
coxeter
hfu
hackathon
fig
embryo

subdivision
residence
caf
tt

TOPIC 51 0.0005
clause
cnf
cnfs
cascading
sufficiency
ini
ac
picture
sfa
sit
iact
congruent
normal
fu
fw

TOPIC 52 0.0003
abelian
levy
t2sl
fim
immobilised
cps-3f
piga
cgh
bodo
gals-noc
nifeinf2infoinf4inf
analogous
jd
bcg
tll

TOPIC 53 0.0002
electrostrictive
ag
dpd
deer
phase-shifting
tftp
imt
fow
mscta
cvsc
c-qrinclda
simulator
nxn

fc
new-generation

TOPIC 54 0.0003
msr
corner
rcc
pr
imputation
ledge
va
vsc-mtdc
bracketing
rainbow
bisub25subfeosub40sub-graphene
self-similar
diary
tpr
pentanomials

TOPIC 55 0.0000
gupa
inflect
obstructing
stratal
post-correlation
magnetize
paradigmatic
lend
b1i
dilution-refrigerator
doppler-shifted
interfero-polarimeter
image-force
023n
50-by-50

TOPIC 56 0.0000
fuze
hinfeinf
gun
10kbar
fmsg
enlarges
legendre
missile
wcsvr
il-wcsvr
metamaterialsup1sup
sited
out-of-range
anti-aircrafts
fuze-specific

TOPIC 57 0.0000

anhydrite
ssup-1sup
06jcmsup2sup
micro-masonry
condition
switchable
conserve
xt
retrievable
vinfminf
wwwposeccoeu
9126-234
pdtr
siinf064infgeinf036inf
650sq

platform-parallelism
model-we
change-house
compare
computational
consider
process
numerically
least-squares
second
result
statistic
array
conventionalwl-rls
use

TOPIC 58 0.0000

moderate-sized
10-40
broadside-scanned
2-spaced
turnthe
changeto
processis
functionthen
compare
computational
consider
process
numerically
least-squares
second

TOPIC 59 0.0000

micro-lenses
rance
hydroturbines
electricite
750-meter-long
twice-daily
top-electrodes
11khz
10sup-8supmssup2suphzsup12sup
1110sup-10sup
inter-board
6210sup-13sup
bottom-moored
compare
computational

TOPIC 60 0.0000

2014

TOPIC 1 0.3095

use
model
propose
method
result
base
approach
show
algorithm
time
present
different
analysis
data
technique

TOPIC 2 0.0233

film
layer
use
high
temperature
surface
process
material
substrate
thermal
cell
thin
device
show
property

TOPIC 3 0.0212

magnetic
field
temperature
effect
structure
show
property
study
state
increase
observe
energy
find
result
quantum

TOPIC 4 0.0151

use
patient
medical
study
cell
disease
tissue
clinical
imaging
data
diagnosis
cancer
brain
health
heart

TOPIC 5 0.0206

sensor
measurement
device
sense
measure
sensitivity
surface
application
material
design
cell
force
present
frequency
demonstrate

TOPIC 6 0.0168

motor
magnetic
machine
current
magnet
design
field
torque
use
speed
coil
model
drive
rotor
result

TOPIC 7 0.0036

formula
img
piezoelectric
dielectric
phase
ferroelectric
gpr
ceramic
polarization
domain
field
temperature
formulatypeinline
coefficient
property

TOPIC 8 0.0121

data
use
area
water
model
surface
soil
study
spatial
result
sar
satellite
change
land
sense

TOPIC 9 0.0254

antenna
frequency
design
ghz
use
array
propose
band
present
bandwidth
structure
db
result
two
gain

TOPIC 10 0.0173

device
circuit

power
gate
design
transistor
technology
voltage
high
current
memory
cmos
low
use
cell

TOPIC 11 0.0308

feature
use
method
classification
propose
learn
image
data
recognition
cluster
classifier
approach
base
set
detection

TOPIC 12 0.0075

ieee
conference
search
year
author
item
information
index
web
page
query
document
first
paper
may

TOPIC 13 0.0144

beam
pulse
field
plasma

electron
use
wave
ion
energy
source
measurement
current
high
laser
radiation

TOPIC 14 0.0209

target
sensor
use
radar
measurement
track
localization
signal
position
environment
navigation
vehicle
data
algorithm
error

TOPIC 15 0.0144

temperature
heat
gas
flow
thermal
discharge
use
pressure
result
plasma
high
air
voltage
water
increase

TOPIC 16 0.0265

problem
algorithm
optimal
graph
solve
optimization

solution
set
constraint
function
show
agent
give
matrix
linear

TOPIC 17 0.0139

optical
fiber
signal
laser
use
wavelength
frequency
power
demonstrate
mode
pulse
high
modulation
phase
transmission

TOPIC 18 0.0272

power
energy
grid
fault
wind
load
control
distribution
voltage
system
network
generation
operation
line
transmission

TOPIC 19 0.0305

power
voltage
converter
propose
current
control
switch
output

use
circuit
frequency
high
present
inverter
efficiency

TOPIC 20 0.0612

technology
development
research
system
process
design
software
use
application
provide
develop
project
new
learn
study

TOPIC 21 0.0255

control
controller
propose
design
system
model
dynamic
nonlinear
stability
simulation
method
state
use
performance
base

TOPIC 22 0.0198

robot
use
human
control
motion
task
movement
force
user
device

hand
interaction
subject
robotic
environment

TOPIC 23 0.0237

channel
scheme
performance
propose
rate
code
relay
error
signal
show
receiver
power
interference
transmission
result

TOPIC 24 0.0129

network
user
spectrum
propose
radio
access
interference
cell
resource
mobile
communication
wireless
scheme
power
base

TOPIC 25 0.0186

user
social
information
service
network
data
mobile
content
market
use
study
online

price
community
web

TOPIC 26 0.0098

cloud
resource
service
compute
schedule
data
virtual
cost
task
energy
server
performance
storage
time
machine

TOPIC 27 0.0230

design
application
architecture
memory
performance
hardware
process
implementation
system
data
processor
parallel
software
program
test

TOPIC 28 0.0062

light
use
design
lead
propose
filter
color
implementation
power
architecture
multiplier
led
fpga
digital

implement

TOPIC 29 0.0206

data
security
service
attack
use
user
information
application
device
cloud
propose
mobile
web
key
secure

TOPIC 30 0.0083

algorithm
optimization
problem
particle
search
genetic
swarm
solution
optimal
solve
evolutionary
objective
de
pso
function

TOPIC 31 0.0271

network
node
wireless
sensor
protocol
communication
routing
packet
energy
propose
data
traffic
delay
transmission
link

TOPIC 32 0.0144

signal
noise
method
filter
frequency
propose
transform
estimation
estimate
wavelet
sample
sparse
speech
sense
spectrum

TOPIC 33 0.0027

chaotic
sequence
fractional
fractal
bifurcation
chaos
map
random
synchronization
pe
generator
order
exponent
generate
value

TOPIC 34 0.0047

image
compression
data
use
scheme
algorithm
technique
cod
digital
compress
transform
bit
method
block
watermarking

TOPIC 35 0.0016

ea

inventory

car
ht
ep
lcs
ci
pla
spa
pop
fp
warehouse
weave
ssm
ecu

TOPIC 36 0.0217

image
method
video
propose
object
algorithm
3d
camera
detection
frame
motion
map
pixel
region
depth

TOPIC 37 0.0018

filter
mp
cv
avionics
quaternion
bloom
interpolation
egg
density
ima
multi-target
br
ibc
gd
track

TOPIC 38 0.0099

vehicle
traffic
fuzzy

road
drive
driver
safety
transportation
car
cluster
vehicular
urban
information
speed
train

TOPIC 39 0.0091

method
equation
numerical
field
matrix
function
solution
scatter
wave
surface
electromagnetic
solve
boundary
integral
problem

TOPIC 40 0.0030

fusion
fingerprint
biometric
use
image
recognition
face
match
template
iris
signature
identification
database
fuse
pattern

TOPIC 41 0.0011

ce
ica
skeleton
qp
independent

component
ng
gui
cpt
pit
chp
separation
mca
dome
ipa

TOPIC 42 0.0018

charge
mine
battery
vehicle
rule
hybrid
electric
ev
pattern
association
frequent
phevs
rc
plug-in
phev

TOPIC 43 0.0012

r
spacewire
connector
ec
cb
spacefibre
ecm
oa
spacecraft
adr
pg
st
payload
draft
backplane

TOPIC 44 0.0013

gc
pls
cf
ft
blob
scr
gr

bf
smp
ha
ppc
fm
opacity
pot
oob

TOPIC 45 0.0013

spare
cn
amp
sts
tsc
inventory
s
scl
inspection
group
vtl
compound
atc
rcc
respectively

TOPIC 46 0.0011

pc
rough
cl
batch
msd
ff
attribute
reduction
fermentation
reduct
apa
cow
ipp
exam
ria

TOPIC 47 0.0010

ml
polygon
fpa
inline-formula
ss
hair
unit
tsi
ssi

firework	avm	prms
esi	ln	sirms
edr	insect	
ldacs1	ig	TOPIC 54 0.0009
wrapper		whisker
eos	TOPIC 51 0.0011	g
	cc	mt
TOPIC 48 0.0010	ra	sentence
skew	dm	tin
cg	cgm	zone
apc	varistor	shi
grey	pmf	4d
dd	motif	hbc
read	quorum	id
staircase	tsp	verb
accessory	jinfconf	sleep
al	culture	parcel
et	dut	shaper
drum	gdbco	corrosion
firewall	pc	
costa	grinder	TOPIC 55 0.0009
metagenomic		sc
cca	TOPIC 52 0.0010	pce
	fa	al
TOPIC 49 0.0011	chart	et
te	psm	fence
ir	firefly	hp
group	ed	neuron
gm	hm	bias
tibetan	cma	avm
lattice	ppp	tac
sb	cement	inline-formula
mv	reduction	computation
rp	pim	fire
capacity	scn	van
wa	mt	stateful
eva	ro	
mark	sequence	TOPIC 56 0.0007
dsc		sit
ntru	TOPIC 53 0.0008	oi
	tc	coral
TOPIC 50 0.0010	uc	poem
fd	mce	slip
td	spf	mdd
tp	copula	magic
ib	triangle	apm
il	dfs	maker
wf	jc	lla
sk	cpt	mbd
group	immunization	thoron
rnp	ssh	hmm
mst	ect	fpd
rb	eo	abe

TOPIC 57 0.0008

pr
rts
csr
msi
scp
reinforcement
morl
bv
hct
lifespan
lambda
vlbi
ppt
multifunctional
loudspeaker

TOPIC 58 0.0007

mt
q
rg
ig
black
vfto
nir
gi
superimpose
star
rna
zeolite
eng
workshop
ssg

TOPIC 59 0.0006

dmp
sam
sketch
hrc
p3p
prefecture
pfs
burst
meteorite
rbi
crus
rc
cbp
s-swcnts
ubc

TOPIC 60 0.0006

fr
native
ab
sem
honeycomb
eos
class
monkey
mo
sequencer
vtr
fls
sems
non-native
dio

TOPIC 61 0.0005

cl
reciprocal
taint
dta
perching
bme
dance
dp
fim
pvp
bmgs
mor
wcl
mud
crater

TOPIC 62 0.0004

sep
habituation
fastening
plsa
gold
screw
stem
wicked
tcf
asubphsub
de-embedding
450mm
nepali
h-mohra
vinfcinf

TOPIC 63 0.0005

volterra
fnn

th
window
orient
dense
csrh
a-chsi
wcm
hfos
chinese
automobile
biodiesel
c6
cesm

TOPIC 64 0.0005

tendon
fl
cap
dmm
reordering
ptms
bin
harmony
erm
rope
t2
constitution
spk
null
outgassing

TOPIC 65 0.0006

ped
tr
hard
ersup3sup
tunnel
venus
p-ram
richardson
reshaping
ai
wac
golf
josephson
wcs
dscs

TOPIC 66 0.0004

la
ncma
en
tod

trawl	evdf	sulfur-selenide
chain	stroop	80-100mev
dm	bbdds	130-140mev
del	mnbi	sulfide-based
phase-shift	msec	cusub2subznsnssub06subsesub04sub
antioxidant	metabolic	sub4sub
dinfitinf	primer	optomechancial
footgear	dcds	phase-mode
atf	tstt	
asphalt		TOPIC 73 0.0000
hcs	TOPIC 70 0.0000	truecrypt
	theol	community-funded
TOPIC 67 0.0001	wt-lssvm	widest-known
dci	nabr	control
catalytic	brownout	adjustable
biclusterv	alternatively	premise
alluvial	subwavelength	give
nz	forwardbackward	process
rmsa	semicrystalline	explicit
ue	superlens	pid
reactor	srcimagestex23697gif	off-line
sam	superlenses	case
cryptarithmic	grade-s	manner
microinverters	grade-f	hydraulic
fertility	nano-imaging	cloud
merw	rw11-sf	
bicclustering		
atr-ir	TOPIC 71 0.0000	
	diagram	
TOPIC 68 0.0000	einfiinf	
cathodic	roughening	
yinfvginf	zebra	
run-up	dfd	
microsimulator	fgss	
emulator	graph-view	
croc	imlt-ioa	
nnc	hsubtsub	
exclude	columnar	
nonuniformity	etching	
ht	semantics	
debonds	migrate	
backshells	pain	
rinfcinf	ra	
clefia-128		
cyciae-14	TOPIC 72 0.0000	
	dctl	
TOPIC 69 0.0003	biosorption	
incongruency	adsorbent	
glycan	supernodes	
lcmo	solution	
bsp	10sup5sup	
mfc	insusceptible	
katanga	260mev	