

Most Read Articles

Most Read articles are updated on a monthly basis and available as 1 month and 12 month lists. Below are the journal's Top 20 most downloaded articles for the previous month.

Choose a timeframe:

☐ Select All For Selected:

☐ Controlling the Synthesis and Assembly of Silver Nanostructures for Plasmonic Applications




Matthew Rycenga, Claire M. Copley, Jie Zeng, Weiyang Li, Christine H. Moran, Qiang Zhang, Dong Qin, and Younan Xia

2011, *111* (6), pp 3669-3712

Publication Date (Web): March 11, 2011 (Review)

DOI: 10.1021/cr100275d

Abstract

 Full Text HTML
 Hi-Res PDF [33599K]
 PDF w/ Links [2633K]

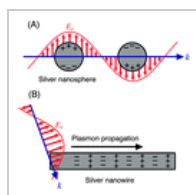


Figure 1 of 23

Templated Techniques for the Synthesis and Assembly of Plasmonic Nanostructures

Matthew R. Jones, Kyle D. Osberg, Robert J. Macfarlane, Mark R. Langille, and Chad A. Mirkin

2011, *111* (6), pp 3736-3827

Publication Date (Web): June 8, 2011 (Review)

DOI: 10.1021/cr1004452

Abstract

Full Text HTML
Hi-Res PDF [95752K]
PDF w/ Links [4883K]

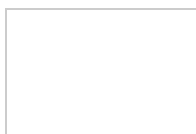


Figure 1 of 57

Introduction to Plasmonics

Teri W. Odom and George C. Schatz

2011, *111* (6), pp 3667-3668

Publication Date (Web): May 11, 2011 (Editorial)

DOI: 10.1021/cr2001349

Abstract

Full Text HTML
Hi-Res PDF [2186K]
PDF w/ Links [614K]

Sponsored Access

The Methylation Effect in Medicinal Chemistry

Eliezer J. Barreiro, Arthur E. K. Mmerle, and Carlos A. M. Fraga

Articles ASAP (As Soon As Publishable)

Publication Date (Web): June 1, 2011 (Review)

DOI: 10.1021/cr200060g

Abstract




Full Text HTML
Hi-Res PDF [8846K]
PDF w/ Links [2233K]

Advertisements



Info for Advertisers

Browse By Issue

Select Decade 
Select Volume 
Select Issue 

List of Issues

Advertisements

Explore today!

Explain
the
Science
Behind
Their
High
-Quality
Research

NANO
LETTERS

ACS NANO

Info for Advertisers

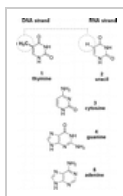


Figure 1 of 43

Plasmons in Strongly Coupled Metallic Nanostructures

Naomi J. Halas, Surbhi Lal, Wei-Shun Chang, Stephan Link, and Peter Nordlander

2011, *111* (6), pp 3913-3961

Publication Date (Web): May 4, 2011 (Review)

DOI: 10.1021/cr200061k

Abstract

Full Text HTML

Hi-Res PDF [50932K]

PDF w/ Links [3770K]

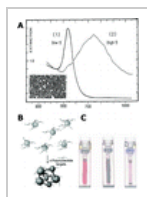


Figure 1 of 39

Asymmetric Organocatalytic Cyclization and Cycloaddition Reactions

Albert Moyano and Ramon Rios

Articles ASAP (As Soon As Publishable)

Publication Date (Web): May 26, 2011 (Review)

DOI: 10.1021/cr100348t

Abstract

Full Text HTML

Hi-Res PDF [23594K]

PDF w/ Links [10050K]

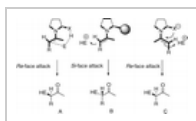


Figure 1 of 31

Localized Surface Plasmon Resonance Sensors

Kathryn M. Mayer and Jason H. Hafner

2011, *111* (6), pp 3828-3857

Publication Date (Web): June 8, 2011 (Review)

DOI: 10.1021/cr100313v

Abstract | Supporting Info

Full Text HTML

Hi-Res PDF [24404K]

PDF w/ Links [2480K]

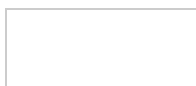


Figure 1 of 56

Synthesis and Optical Properties of Hybrid and Alloy Plasmonic Nanoparticles

Michael B. Cortie and Andrew M. McDonagh

2011, *111* (6), pp 3713-3735

Publication Date (Web): January 14, 2011 (Review)

DOI: 10.1021/cr1002529

Abstract

Full Text HTML

Hi-Res PDF [17644K]

PDF w/ Links [1845K]

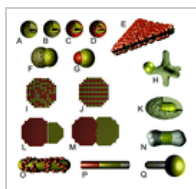


Figure 1 of 22

Sulfamic acid and its N-substituted derivatives

G. Anthony Benson, William J. Spillane

1980, *80* (2), pp 151-186

Publication Date: April 1980 (Article)

DOI: 10.1021/cr60324a002

ACS Legacy Archives

[First Page](#)

[Hi-Res PDF \[6970K\]](#)

Theoretical Studies of Plasmonics using Electronic Structure Methods

Seth M. Morton, Daniel W. Silverstein, and Lasse Jensen

2011, *111* (6), pp 3962-3994

Publication Date (Web): February 23, 2011 (Review)

DOI: 10.1021/cr100265f

[Abstract](#)

[Full Text HTML](#)

[Hi-Res PDF \[18564K\]](#)

[PDF w/ Links \[2161K\]](#)



Figure 1 of 29

Plasmonic Nanoantennas: Fundamentals and Their Use in Controlling the Radiative Properties of Nanoemitters

Vincenzo Giannini, Antonio I. Fernández-Domínguez, Susannah C. Heck, and Stefan A. Maier

2011, *111* (6), pp 3888-3912

Publication Date (Web): March 24, 2011 (Review)

DOI: 10.1021/cr1002672

[Abstract](#)

[Full Text HTML](#)

[Hi-Res PDF \[22713K\]](#)

[PDF w/ Links \[1872K\]](#)

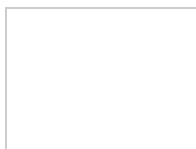


Figure 1 of 19

Luminescent Functional Metal–Organic Frameworks

Yuanjing Cui, Yanfeng Yue, Guodong Qian, and Banglin Chen

Articles ASAP (As Soon As Publishable)

Publication Date (Web): June 21, 2011 (Review)

DOI: 10.1021/cr200101d

[Abstract](#)

[Full Text HTML](#)

[Hi-Res PDF \[32076K\]](#)

[PDF w/ Links \[2226K\]](#)



Figure 1 of 25

Optical Studies of Dynamics in Noble Metal Nanostructures

Gregory V. Hartland

2011, *111* (6), pp 3858-3887

[Abstract](#)

[Full Text HTML](#)

Publication Date (Web): March 24, 2011 (Review)
DOI: 10.1021/cr1002547

 [Hi-Res PDF \[6258K\]](#)
 [PDF w/ Links \[1811K\]](#)

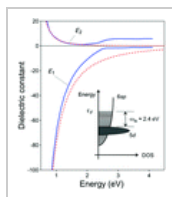


Figure 1 of 28

Protein–Nanoparticle Interactions: Opportunities and Challenges




Morteza Mahmoudi, Iseult Lynch, Mohammad Reza Ejtehadi, Marco P. Monopoli, Francesca Baldelli Bombelli, and Sophie Laurent

Articles ASAP (As Soon As Publishable)

Publication Date (Web): June 21, 2011 (Review)

DOI: 10.1021/cr100440g

[Abstract](#)

 [Full Text HTML](#)
 [Hi-Res PDF \[19215K\]](#)
 [PDF w/ Links \[1777K\]](#)

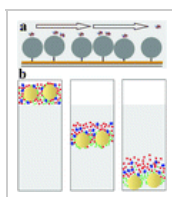


Figure 1 of 10

Introduction to Enzymes in Synthesis




Tomas Hudlicky

Articles ASAP (As Soon As Publishable)

Publication Date (Web): June 15, 2011 (Editorial)

DOI: 10.1021/cr200185s

[Abstract](#)

 [Full Text HTML](#)
 [Hi-Res PDF \[1336K\]](#)
 [PDF w/ Links \[638K\]](#)

 Sponsored Access

Dye-Sensitized Solar Cells

Anders Hagfeldt, Gerrit Boschloo, Licheng Sun, Lars Kloo, and Henrik Pettersson

2010, *110* (11), pp 6595–6663

Publication Date (Web): September 10, 2010 (Review)

DOI: 10.1021/cr900356p

[Abstract](#)

[Full Text HTML](#)
[Hi-Res PDF \[7025K\]](#)
[PDF w/ Links \[2279K\]](#)



Figure 1 of 31

Titanium Dioxide Nanomaterials: Synthesis, Properties, Modifications, and Applications

Xiaobo Chen and Samuel S. Mao

2007, *107* (7), pp 2891–2959

Publication Date (Web): June 23, 2007 (Article)

DOI: 10.1021/cr0500535

[Abstract](#)

[Full Text HTML](#)
[Hi-Res PDF \[7408K\]](#)
[PDF w/ Links \[4205K\]](#)



Figure 1 of 91

Gold Nanoparticles: Assembly, Supramolecular Chemistry, Quantum-Size-Related Properties, and Applications toward Biology, Catalysis, and Nanotechnology

Marie-Christine Daniel and Didier Astruc

2004, *104* (1), pp 293-346

Publication Date (Web): December 20, 2003 (Article)

DOI: 10.1021/cr030698+

[Abstract](#)

[Full Text HTML](#)

[Hi-Res PDF \[2006K\]](#)

[PDF w/ Links \[2911K\]](#)

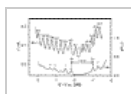


Figure 1 of 65

Destruction and Detection of Chemical Warfare Agents

Kibong Kim, Olga G. Tsay, David A. Atwood, and David G. Churchill

Articles ASAP (As Soon As Publishable)

Publication Date (Web): June 13, 2011 (Review)

DOI: 10.1021/cr100193y

[Abstract](#)

[Full Text HTML](#)

[Hi-Res PDF \[11350K\]](#)

[PDF w/ Links \[2987K\]](#)

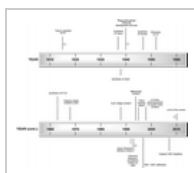


Figure 1 of 24

Guanylated Diamines, Triamines, and Polyamines: Chemistry and Biological Properties

Daniele Castagnolo, Silvia Schenone, and Maurizio Botta

Articles ASAP (As Soon As Publishable)

Publication Date (Web): June 9, 2011 (Review)

DOI: 10.1021/cr100423x

[Abstract](#)

[Full Text HTML](#)

[Hi-Res PDF \[6805K\]](#)

[PDF w/ Links \[3159K\]](#)



Figure 1 of 15