

Introdução à Pesquisa em Informática

Ler, pesquisar, escrever e divulgar



PUC Minas

Instituto de Ciências Exatas
e Informática

Prof. Lesandro Ponciano

Departamento de Engenharia de Software
e Sistemas de Informação (DES)

Objetivos da Aula

- Apresentar conceitos e exemplos associados a
 - Bases de Dados Científicas
 - Índices Bibliométricos
 - Vida Pregressa do Cientista
 - Software de Gestão de Bibliografia

Atividades-chave na Ciência Atual

1

Ler

2

Pesquisar
e Desenvolver

3

Escrever

4

Apresentar/divulgar

D^r N. CROITORU

CSEN

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13.09.1972

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entitled: 1) A Chemical Method...

2) Proc. Symp. of Sci. Tech. Info. Delhi (1970)
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K 43 (1971)
as well as other papers you have published on the same
subject.

Yours sincerely,

Croitoru

c. 6136 — I. P. „Tiparul“

Fonte <https://scholar.googleblog.com/2015/01/blast-from-past-reprint-request.html>, acesso em 04/01/2020

Bases de Dados Científicas

- Há dezenas! Algumas relevantes na área de informática são:
 - ACM Digital Library - <https://dl.acm.org/>
 - IEEE Xplore Digital Library - <https://ieeexplore.ieee.org/>
 - Scopus - <https://www.scopus.com/>
 - Web of Science - <http://webofknowledge.com>
 - CAPES - <https://www.periodicos.capes.gov.br/>
 - Scholar Google - <https://scholar.google.com.br/>

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volunteers' engagement astronom... Q

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294,307 Results for: All: volunteers' engagement astronomy projects Edit Search

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☐ **On the impact of energy-saving strategies in opportunistic grids** 🔒

Lesandro Ponciano ; Francisco Brasileiro

2010 11th IEEE/ACM International Conference on Grid Computing

Year: 2010 | Conference Paper | Publisher: IEEE

Cited by: Papers (15)

► Abstract

((html))

(322 Kb)



Year

Exemplo extraído de <https://ieeexplore.ieee.org>, acesso em 04/01/2020



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BUSCAR ASSUNTO



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Volunteers' engagement in human computation for astronomy projects

[PDF] researchgate.net

[L Ponciano](#), [F Brasileiro](#), [R Simpson](#)... - Computing in Science ..., 2014 - [ieeexplore.ieee.org](#)

Human computation is a computing approach that lets **humans** perform tasks for which there's still no satisfactory solution, even when today's most sophisticated computing infrastructures are used. One stream of **human computation** is volunteer thinking, à systems ...

★  Citado por 44 Artigos relacionados Todas as 8 versões

Finding **volunteers' engagement** profiles in **human computation** for citizen science projects

[PDF] arxiv.org

[L Ponciano](#), [F Brasileiro](#) - arXiv preprint arXiv:1501.02134, 2015 - [arxiv.org](#)

Human computation is a computing approach that draws upon **human** cognitive abilities to solve **computational** tasks for which there are so far no satisfactory fully automated solutions even when using the most advanced computing technologies available. **Human** ...

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Engagement effects of player rating system-based matchmaking for level ordering in **human computation** games

[PDF] acm.org

[A Sarkar](#), [M Williams](#), [S Deterding](#)... - Proceedings of the 12th ..., 2017 - [dl.acm.org](#)

... MTurk may exhibit different behaviors from leisurely entertainment game players or **volunteer** HCG players ... The HIT title was: **Human Computation** Puzzle Game The HIT description was: Play a puzzle ... was within a window $\pm 5\%$ of the desired win probability **computed** previously ...

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Analysing **volunteer engagement** in humanitarian mapping: building contributor communities at large scale

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[M Dittus](#), [G Quattrone](#), [L Capra](#) - ... of the 19th ACM Conference on ..., 2016 - [dl.acm.org](#)

... is the framework of self-efficacy [1]. According to this model, perceived **human** efficacy ... Based on these we **computed** the number of labour hours spent on each contribution using a ... These

Exemplo extraído de <https://scholar.google.com>, acesso em 04/01/2020

Índices Bibliométricos

- Busca-se medir a relevância ou produtividade de veículos de publicação (periódicos, conferências, etc) e cientistas
- Há diversos índices, exemplo:
 - *Qualis*
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* Evento de Classificação:

CLASSIFICAÇÕES DE PERIÓDICOS QUADRIÊNIO 2013-2016

Área de Avaliação:

☒ CIÊNCIA DA COMPUTAÇÃO

ISSN:

☐

Título:

☒ Future Generation Computer Systems

Classificação:

☐ -- SELECIONE --

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Periódicos

ISSN	Título	Área de Avaliação	Classificação
0167-739X	FUTURE GENERATION COMPUTER SYSTEMS	CIÊNCIA DA COMPUTAÇÃO	A2

Início

Anterior

1

Próxima

Fim

1 a 1 de 1 registro(s)

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Future Generation Com x + v

https://www.journals.elsevier.com/future-generation-computer-systems

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- Outros fatores a considerar
 - Trabalhos seminais (um dos primeiros das respectivas áreas)
 - Trabalhos recentes (o "*estado da arte*" da área)



Fundamentals of software engineering

[PDF] de oheg.org

Autores Carlo Ghezzi, Mehdi Jazayeri, Dino Mandrioli

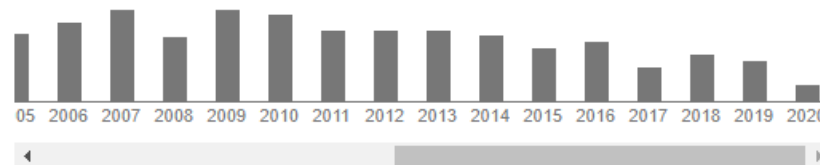
Data de publicação
Volume 145

Editora Prentice Hall

Descrição Here is the first book to emphasize fundamental principles rather than specific software engineering tools and techniques

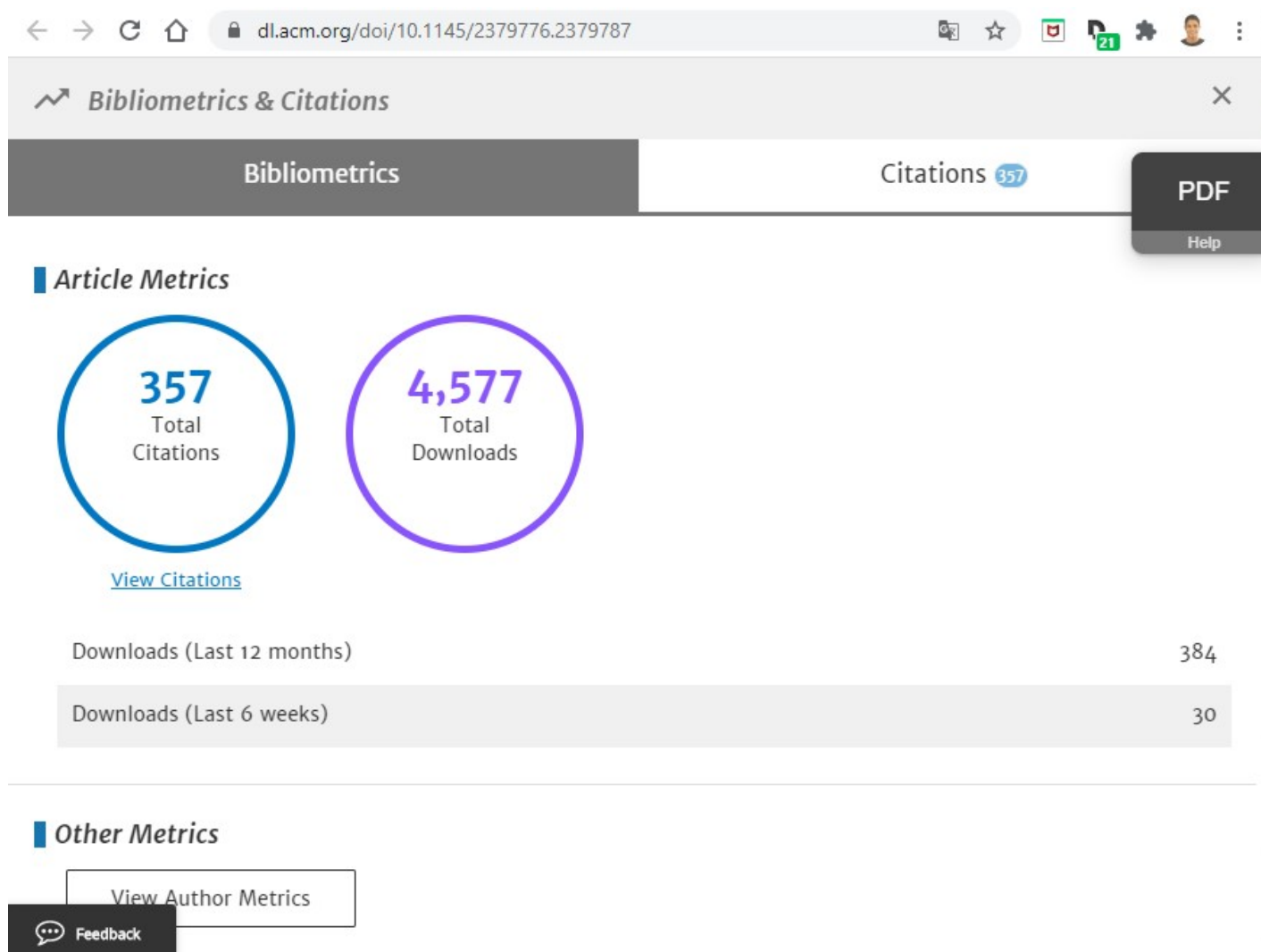
Fundamentals of Software Engineering provides selective, indepth coverage of the fundamentals of software engineering, stressing principles, methods, and rigorous formal and informal approaches. It stresses the importance of rigor in the practice of software engineering and emphasizes the important principles that can be applied independently of the life cycle model.

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C Ghezzi, M Jazayeri, D Mandrioli - 1991
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Exemplo para o livro “Fundamentals of software engineering” extraído do **Scholar Google** em 17/08/2020



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Citizen Science Terminology Matters: Exploring Key Terms

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Title	Citizen Science Terminology Matters: Exploring Key Terms
Published in	Citizen Science: Theory and Practice, June 2017
DOI	10.5334/cstp.96 ↗
Authors	M V Eitzel, Jessica L Cappadonna, Chris Santos-Lang, Ruth Ellen Duerr, Arika Virapongse, Sarah... [show]

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Publications 18

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Citizen Science Terminology Matters: Exploring Key Terms

M. V. Eitzel, Jessica L. Cappadonna, +20 authors Qijun Jiang • 2017

Much can be at stake depending on the choice of words used to describe citizen science, because terminology impacts how knowledge is developed. Citizen science is a quickly evolving field that is... [\(More\)](#)

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Volunteers' engagement in human computation for astronomy projects

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Engagement effects of player rating system-based matchmaking for level ordering in **human computation** games

[PDF] acm.org

[A Sarkar](#), [M Williams](#), [S Deterding](#)... - Proceedings of the 12th ..., 2017 - dl.acm.org

... Many HCGs therefore end up serving tasks to **volunteers** either at random or to optimize informational ... MTurk may exhibit different behaviors from leisurely entertainment game players or **volunteer** HCG players ... **Engagement** Effects of Player Rating System-Based Matchmaking ...

☆ Citado por 19 Artigos relacionados Todas as 6 versões

Analysing **volunteer engagement** in humanitarian mapping: building contributor communities at large scale

[PDF] ucl.ac.uk


[M Dittus](#), [G Quattrone](#), [L Capra](#) - ... of the 19th ACM Conference on ..., 2016 - dl.acm.org

... **Volunteer** work started only few days before the event, initially with projects to prepare a ... A signup form for **volunteers** allows contributors to get informed of upcoming initiatives and ... that some tasks


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Human computation

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Ponciano L, Pereira T (2019)

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HCI Support Card: Creating and Using a Support Card for Education in Human-Computer Interaction

Ponciano L in Anais Estendidos do Simpósio Brasileiro de Fatores Humanos em Sistemas Computacionais (IHC) (2019)

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Ponciano L in Anais Estendidos do XVII Simpósio Brasileiro sobre Fatores Humanos em Sistemas Computacionais (2018)

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Agreement-based credibility assessment and task replication in human computation systems

Ponciano L, Brasileiro F in Future Generation Computer Systems (2018)

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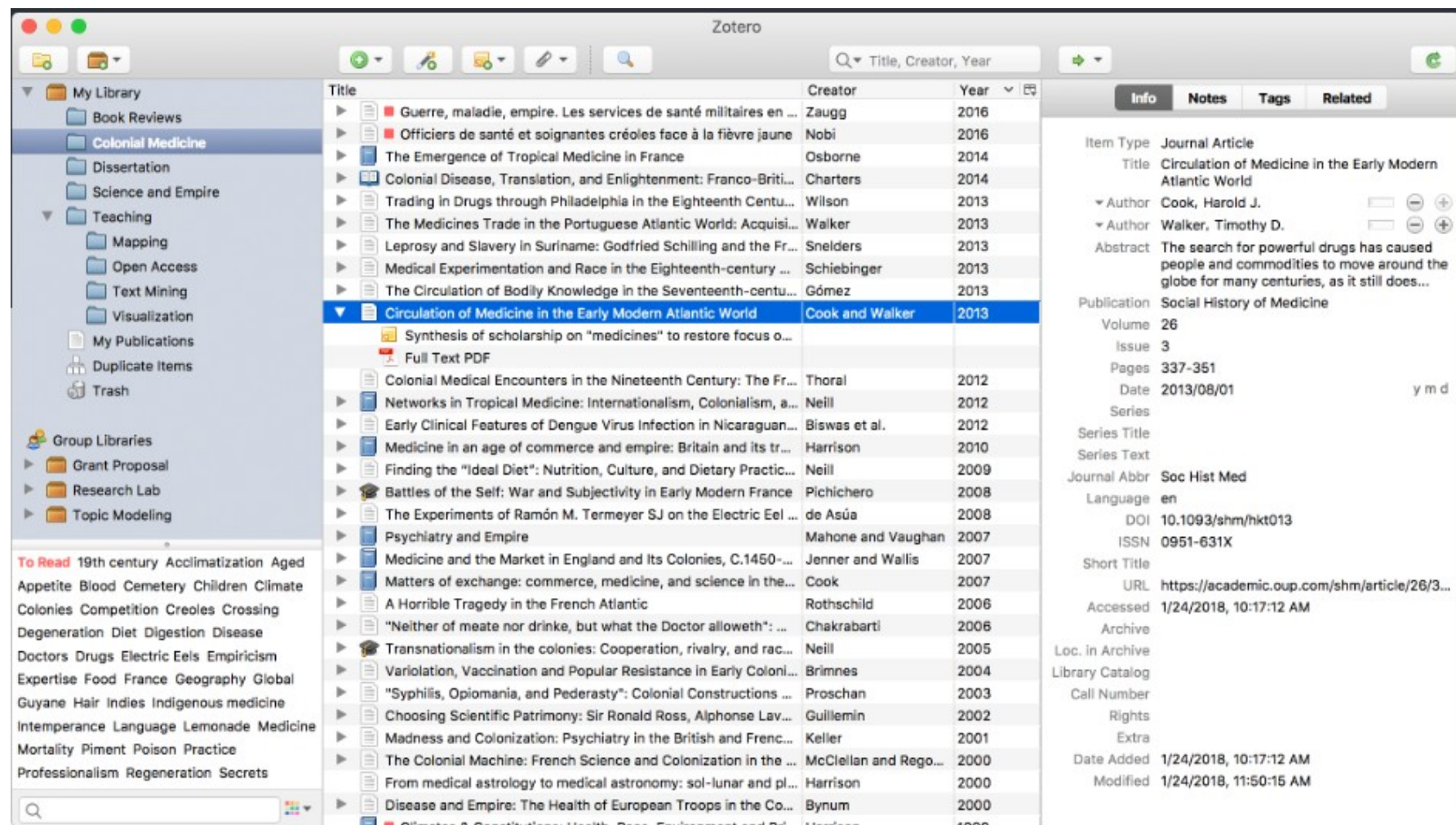
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1 to 39 of 39

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Climate & Constitution: Health, Race, Environment and Bi...	Morison	1999

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Item Type: Journal Article

Title: Circulation of Medicine in the Early Modern Atlantic World

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Author: Walker, Timothy D.

Abstract: The search for powerful drugs has caused people and commodities to move around the globe for many centuries, as it still does...

Publication: Social History of Medicine

Volume: 26

Issue: 3

Pages: 337-351

Date: 2013/08/01 y m d

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Series Text

Journal Abbr: Soc Hist Med

Language: en

DOI: 10.1093/shm/hkt013

ISSN: 0951-631X

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ID Lattes: **2211388362277178**

Última atualização do currículo em 12/08/2020



Lesandro Ponciano recebeu os títulos de Doutor em Ciência da Computação pela Universidade Federal de Campina Grande (UFCG), em 2015, Mestre em Ciência da Computação pela UFCG, em 2011, e Bacharel em Sistemas de Informação pela Pontifícia Universidade Católica de Minas Gerais (PUC Minas), em 2008. Desde 2016, é professor adjunto lotado no Departamento de Engenharia de Software e Sistemas de Informação da PUC Minas. Tem contribuições científicas nas áreas de infraestrutura para e-ciência (e-science) e ciência cidadã (citizen science). Realizou pesquisas em escalonamento de tarefas e economia de energia em sistemas de computação paralela e distribuída para e-ciência. Nos atuais projetos de pesquisa, atua em iniciativas de ciência cidadã com uma abordagem de Interação Humano-Computador e Sistemas Colaborativos, cobrindo os tópicos de engajamento de seres humanos e credibilidade de seres humanos. É membro da Sociedade Brasileira para o Progresso da Ciência (SBPC), da Sociedade Brasileira de Computação (SBC), da Citizen Science Association (CSA) e da Red Iberoamericana de Ciencia Participativa (RICAP). **(Texto informado pelo autor)**

Identificação

Nome Lesandro Ponciano dos Santos

Nome em citações bibliográficas PONCIANO, L.; SANTOS, L. P.; Ponciano, Lesandro; Santos, Lesandro Ponciano dos; Lesandro Ponciano; Ponciano dos Santos, Lesandro

Exemplo extraído de <http://lattes.cnpq.br/2211388362277178>, acesso em 04/01/2020

**Lesandro
Ponciano****ORCID iD** <https://orcid.org/0000-0002-5724-0094> Print view ?**Also known as**

Lesandro Ponciano dos Santos

Websites & Social Links[Personal website](#)[OSF](#)[Speaker Deck profile](#)[Science Open profile](#)[Semantic Scholar profile](#)<https://orcid.org/0000-0002-5724-0094>▼ **Employment (1)**

↑↓ Sort

Pontifical Catholic University of Minas Gerais: Belo Horizonte,
MG, BR

2016-01-01 to present | Professor (Department of Software Engineering and Information Systems)

Employment

Source: Lesandro Ponciano

★ Preferred source

▼ **Education and qualifications (3)**

↑↓ Sort

Federal University of Campina Grande: Campina Grande, BR

2012-02-01 to 2015-11-23 | PhD in Computer Science (Department of Computing and Systems)

Education

Source: Lesandro Ponciano

★ Preferred source

Ajuda

Exemplo extraído de <https://orcid.org/0000-0002-5724-0094>, acesso em 17/08/2020



Lesandro Ponciano

SEGUIR

Professor of Software Engineering and Information Systems
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OBTER MEU PRÓPRIO PERFIL

TÍTULO

CITADO POR

ANO

[Citizen science terminology matters: Exploring key terms](#)

172 2017

MV Eitzel, JL Cappadonna, C Santos-Lang, RE Duerr, A Virapongse, ...
[Citizen Science: Theory and Practice 2](#) (1)

[Finding Volunteers' Engagement Profiles in Human Computation for
Citizen Science Projects](#)

49 2014

L Ponciano, F Brasileiro
[Human Computation 1](#) (2), 245-264

[Volunteers' engagement in human computation for astronomy projects](#)

46 2014

L Ponciano, F Brasileiro, R Simpson, A Smith
[Computing in Science & Engineering 16](#) (6), 52-59

[On the impact of energy-saving strategies in opportunistic grids](#)

34 2010

L Ponciano, F Brasileiro
[2010 11th IEEE/ACM International Conference on Grid Computing](#), 282-289

[Considering human aspects on strategies for designing and managing
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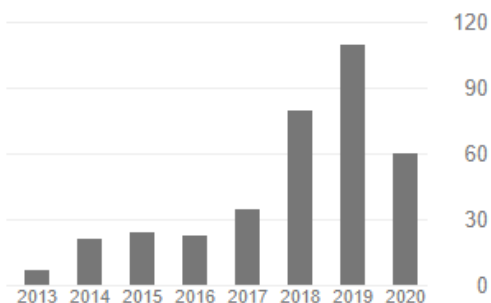
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Referências

- Nos slides estão os links de onde os exemplos foram extraídos
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