

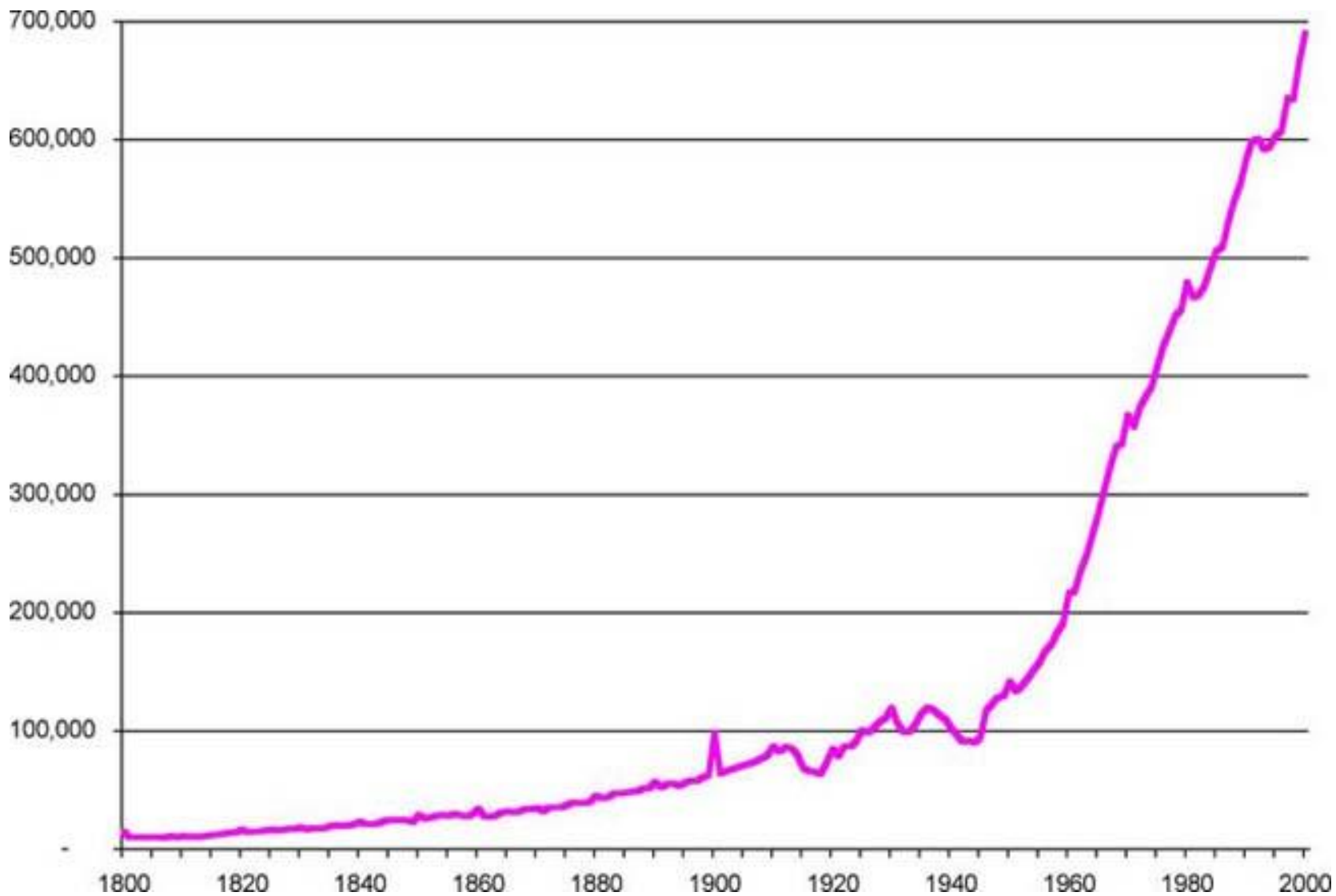
# Como Publicar um Artigo Científico: dicas de Editores e Revisores

Marco Henrique Terra

Abril - 2016

# Publicações

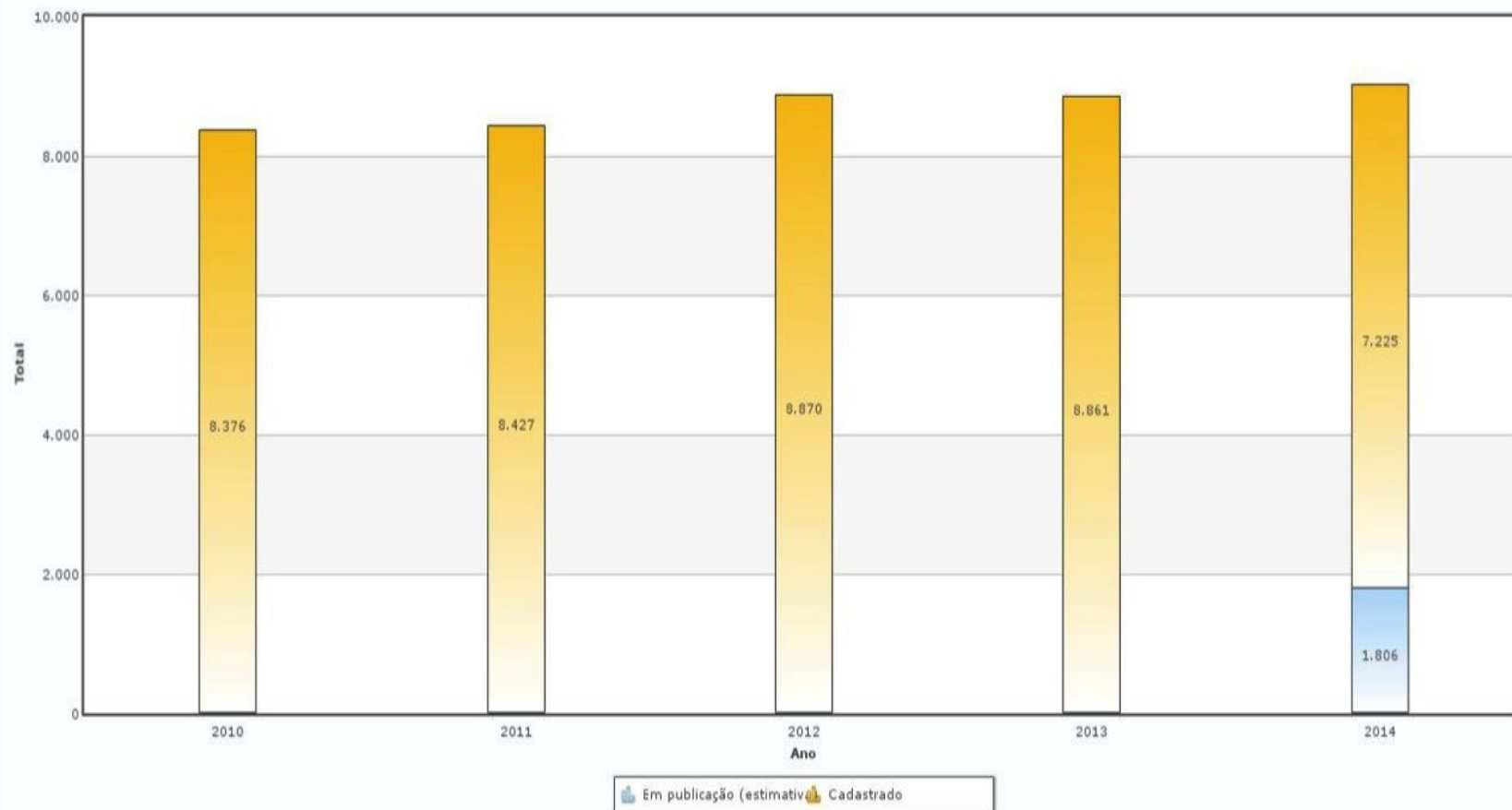
- Tecnologia
- Ciência aplicada
- Patente
- Livro



Livros publicados

The Journal of Electronic Publishing – v. 9, n. 2, 2006

Gráfico 3.05 - Evolução da Produção Científica: trabalhos publicados no exterior



Fonte: SIBiUSP - Dedalus e BDPI  
Ano referência: 2014  
Processado em: 2015

- *Open, Closed, or Clopen Access?*
- *Impact factor*
- Qualis periódicos – Capes
- *Full paper*
- *Short paper*

- Tecnología básica

Siqueira, A. A. G. and Terra, M. H.

“Nonlinear and Markovian H-infinity Controls of Underactuated Manipulators”

IEEE Trans. on Control System Technology  
vol. 12, n. 6, pp. 811-826, 2004.

# Frases curtas

Parametric uncertainties and exogenous disturbances increase the difficulty of reference tracking control for robotic manipulators.

...

Among the possible actuator failure modes, the free torque one, where the torque supplied to the motors of one or more joints vanishes suddenly, can destabilize the system with the possibility of damaging the manipulator components.

22 palavras em uma sentença – no máximo



- Common fault with Introductions: they are too long.
- The Introduction for a journal paper should not be like the introduction to a thesis.
- The purpose of a paper's Introduction is simply to interest the reader and explain, briefly, why you did the research.
- This may involve explaining why the problem is important - but always keep your audience in mind and remember what they already know.
- For example, if you are writing for psychiatrists you do not need to tell them that schizophrenia is a serious mental illness: they already know this.

<http://www.ncbi.nlm.nih.gov> - National Center for Biotechnology Information

- Ciência aplicada

From  
Marco Henrique Terra  
University of São Paulo – Brasil

To  
Patrizio Colaneri  
Senior Editor of the IEEE Transactions on Automatic Control

Ref.: Paper number FP-12-013

Dear Colaneri

According to your e-mail of February 27, 2012, you suggested us to send a letter protesting against the decision of January 27, 2012, where our paper "A new approach to robust linear control problems" was rejected without the opinion of anonymous reviewers.

Thank you for this chance. Before we continue to explain, and refine our arguments, it is important to emphasize that this is not exactly a protest letter, because of the sincere and profound respect we have for the editorial board of the IEEETAC.

To continue the line of argumentation described in this e-mail, it is worth to emphasize the potential and the novelty of the approach we are proposing in both papers.....

It has provided solutions for several, and difficult, control and filtering problems which until now were almost impossible to be solved through recursive algorithms.

See the following papers we have presented in the American Control Conference and in the Conference on Decision and Control:

1 - Cerri, J. P.; Terra, M. H. and Ishihara, J. Y. "Recursive Robust Regulator for Discrete-time State-space Systems". American Control Conference (ACC 2009), June 10-12, 2009, St. Louis, Missouri, USA.

2 - Cerri, J. P.; Terra, M. H. and Ishihara, J. Y. "Recursive Robust Regulator for Discrete-time Markovian Jump Linear Systems via Penalty Game Approach". 49th IEEE Conference on Decision and Control (CDC'10), December 15-17, 2010, Atlanta, GA, USA.

3 - Cerri, J. P. and Terra, M. H. " Control of Discrete-Time Markovian Jump Linear Systems Subject to Known and Unknown Chains". American Control Conference (ACC 2012), June 27-29, 2012, Montréal, Canada.

4 - Cerri, J. P. and Terra, M. H. " Robust Filtering for Discrete-time Markovian Jump Linear Systems via Penalty Game Approach ". 51th IEEE Conference on Decision and Control (CDC'12), December 10-13, Maui, Hawaii.

- Terra, Marco H. ; Cerri, J. P. ; Ishihara, J. Y. "Optimal Robust Linear Quadratic Regulator for Systems Subject to Uncertainties". IEEE Transactions on Automatic Control, vol. 59, n. 9, p. 2586-2591, September, 2014.
- Ishihara, J. Y. ; Terra, M. H. ; Cerri, J. P. "Optimal Robust Filtering for Systems subject to Uncertainties". Automatica (Oxford), v. 52, p. 111-117, 2015.

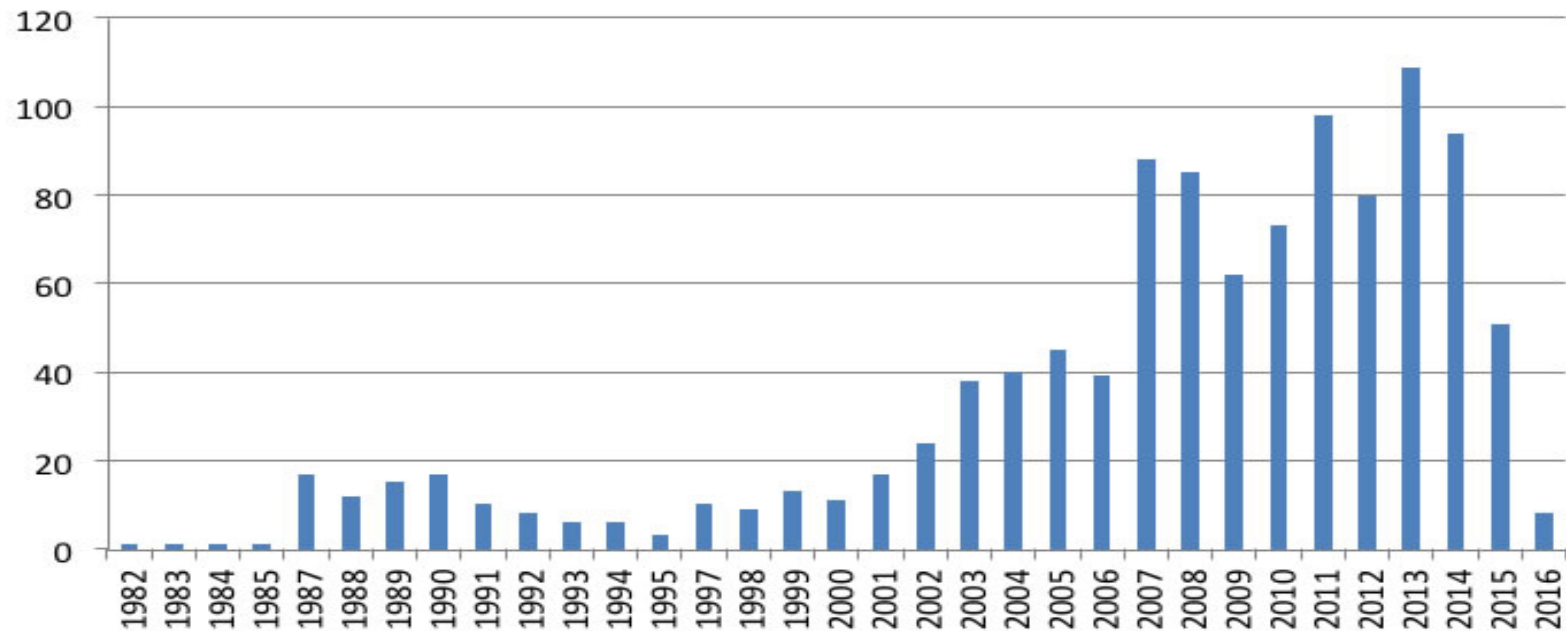
Artigo motivador dessas pesquisas:

- Kalman, R. E. "A New Approach to Linear Filtering and Prediction Problems". Transactions of the ASME–Journal of Basic Engineering, 82 (Series D): 35-45. Copyright © 1960 by ASME.

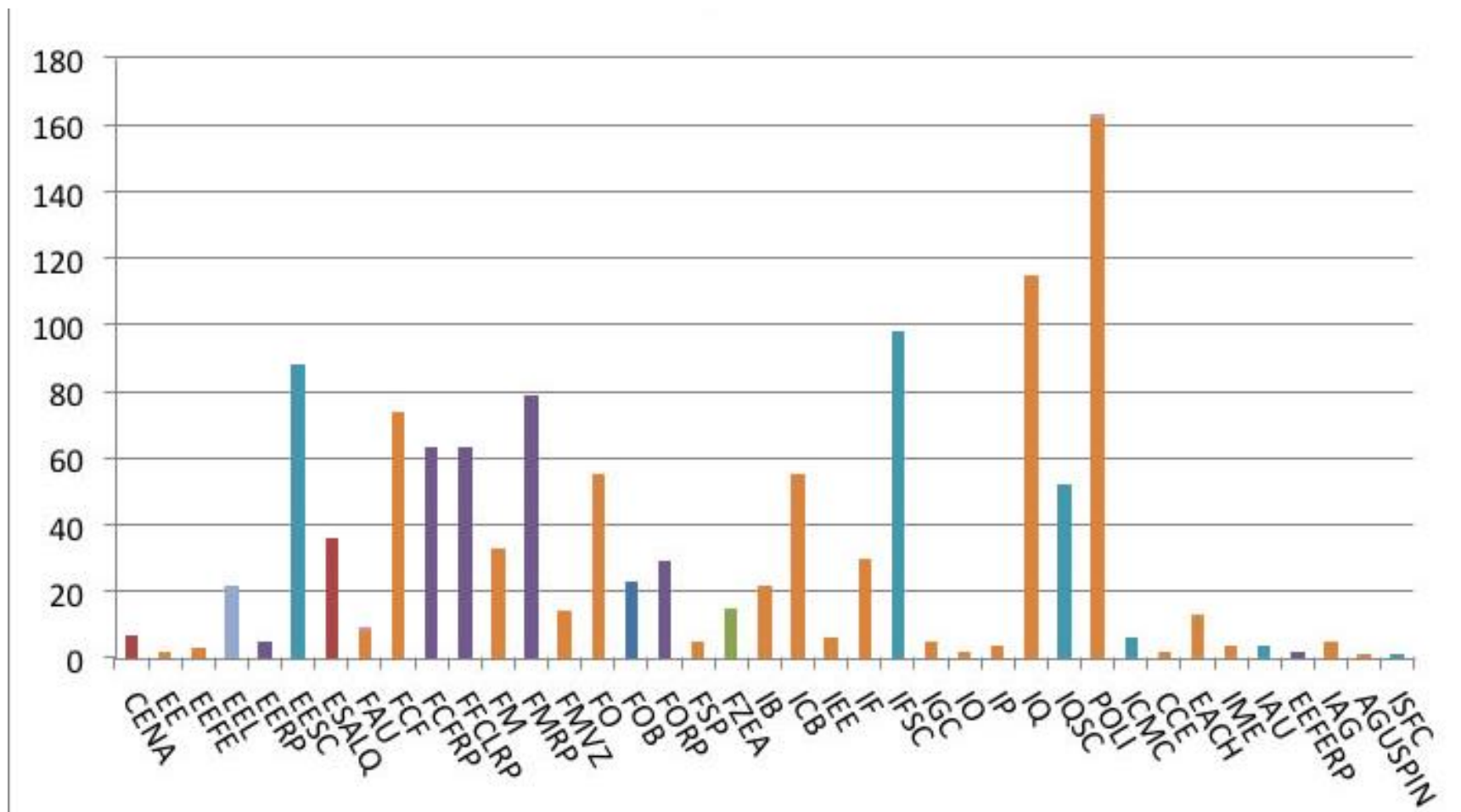
ASME – American Society of Mechanical Engineers

- Patente

## Depósitos de Pedidos de Patente por ano na USP



## Patentes por Unidade da USP





Petronilho, A. and Terra, M. H.

“Automatic Control Applied to Home Appliances”

IEEE Multi-conference on Systems and Control (MSC 2010), 2010, Yokohama, Japan. IEEE Multi-conference on Systems and Control.

**Importância da Iniciação Científica!**

**Patente americana.**

- Livro

Copyrighted Material

Adriano A. G. Siqueira · Marco H. Terra  
Marcel Bergerman

# Robust Control of Robots

Fault Tolerant Approaches



 Springer

Copyrighted Material

Para concluir:  
três importantes aspectos para escrever um artigo científico baseados na  
experiência e no senso comum

- Ajustar a escrita para a audiência e proposta
- Evitar redundância e explanações desnecessárias
- Escrever como se fala e então revisar

[https://www.itc.nl/library/papers/hengl\\_rules.pdf](https://www.itc.nl/library/papers/hengl_rules.pdf)