

# Juan Antonio Rojas-Quintero

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3502259/publications.pdf>

Version: 2024-02-01

14  
papers

58  
citations

1684188

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1720034

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14  
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docs citations

14  
times ranked

35  
citing authors

#	ARTICLE	IF	CITATIONS
1	A literature review of sensor heads for humanoid robots. Robotics and Autonomous Systems, 2021, 143, 103834.	5.1	15
2	Uzawa algorithm to solve elastic and elastic-plastic fretting wear problems within the bipotential framework. Computational Mechanics, 2018, 62, 1327-1341.	4.0	10
3	A computational strategy for the modeling of elasto-plastic materials under impact loadings. Finite Elements in Analysis and Design, 2018, 142, 42-50.	3.2	7
4	Pontryagin Calculus in Riemannian Geometry. Lecture Notes in Computer Science, 2015, , 541-549.	1.3	6
5	Optimal Control of Robotic Systems Using Finite Elements for Time Integration of Covariant Control Equations. IEEE Access, 2021, 9, 104980-105001.	4.2	5
6	Optimal controller applied to robotic systems using covariant control equations. International Journal of Control, 2022, 95, 1576-1589.	1.9	5
7	Using a motion capture system to identify pertinent design parameters of a bio-inspired mechanical hand. Computer Methods in Biomechanics and Biomedical Engineering, 2013, 16, 179-181.	1.6	3
8	Designing a bio-inspired foveated active vision system. , 2021, , .		3
9	Comparing cost functions for the optimal control of robotic manipulators using Pontryagin's Maximum Principle. , 2021, , .		1
10	2018 August 15 stellar occultation by minor planet (134340) Pluto. Monthly Notices of the Royal Astronomical Society, 2022, 511, 5550-5559.	4.4	1
11	Riemannian Formulation of Pontryagin's Maximum Principle for the Optimal Control of Robotic Manipulators. Mathematics, 2022, 10, 1117.	2.2	1
12	Evaluation of invariant cost functions for the optimal control of robotic manipulators. , 2021, , .		1
13	Application of the Bipotential Theory to a Nonassociated Drucker-Prager Model. Advances in Civil Engineering, 2018, 2018, 1-11.	0.7	0
14	Preliminary design and experimental tests of a real-time stereoscopic foveated vision system. , 2021, , .		0