

Ram Iyer

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

28
papers

444
citations

7
h-index

21
g-index

32
ext. papers

513
ext. citations

2.8
avg, IF

3.45
L-index

#	Paper	IF	Citations
28	On a two-point boundary value problem for the 2-D Navier-Stokes equations arising from capillary effect. <i>Mathematical Modelling of Natural Phenomena</i> , 2020 , 15, 17	3	
27	Simultaneous Estimation of Corneal Topography, Pachymetry, and Curvature. <i>IEEE Transactions on Medical Imaging</i> , 2018 , 37, 2463-2473	11.7	2
26	Smoothing Splines on Unit Ball Domains with Application to Corneal Topography. <i>IEEE Transactions on Medical Imaging</i> , 2017 , 36, 518-526	11.7	2
25	Investigation of energy dissipation due to contact angle hysteresis in capillary effect. <i>Journal of Physics: Conference Series</i> , 2016 , 727, 012003	0.3	3
24	2016 ,		2
23	Stabilization of a system with saturating, non-monotone hysteresis and frequency dependent power losses by a PD controller. <i>Journal of Physics: Conference Series</i> , 2015 , 585, 012006	0.3	
22	Macroscopic theory for capillary-pressure hysteresis. <i>Langmuir</i> , 2015 , 31, 2390-7	4	5
21	Energy dissipation due to viscosity during deformation of a capillary surface subject to contact angle hysteresis. <i>Physica B: Condensed Matter</i> , 2014 , 435, 28-30	2.8	1
20	Proportional Derivative Control of Hysteretic Systems. <i>SIAM Journal on Control and Optimization</i> , 2013 , 51, 3415-3433	1.9	
19	Micromagnetics with eddy currents. <i>Journal of Physics: Conference Series</i> , 2011 , 268, 012011	0.3	
18	. <i>IEEE Control Systems</i> , 2009 , 29, 26-28	2.9	34
17	. <i>IEEE Control Systems</i> , 2009 , 29, 83-99	2.9	111
16	On the Existence and Uniqueness of Minimum Time Optimal Trajectory for a Micro Air Vehicle under Wind Conditions. <i>Lecture Notes in Control and Information Sciences</i> , 2009 , 57-77	0.5	
15	. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 1850-1863	5.9	
14	. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 1864-1875	5.9	
13	Model of a multiple-lens, single-fiber system in a compound eye. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2008 , 28, 73-78	0.4	
12	Extension of hysteresis operators of Preisach-type to real, Lebesgue measurable functions. <i>Physica B: Condensed Matter</i> , 2008 , 403, 437-439	2.8	3

11	Asymptotic behavior of a low-dimensional model for magnetostriction for periodic input. <i>Physica B: Condensed Matter</i> , 2008 , 403, 257-260	2.8	1
10	Study of a play-like operator. <i>Physica B: Condensed Matter</i> , 2008 , 403, 456-459	2.8	7
9	Tour Planning for an Unmanned Air Vehicle Under Wind Conditions. <i>Journal of Guidance, Control, and Dynamics</i> , 2007 , 30, 1299-1306	2.1	44
8	Optimal control problems on parallelizable Riemannian manifolds: theory and applications. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2006 , 12, 1-11	1	4
7	On the representation of hysteresis operators of Preisach type. <i>Physica B: Condensed Matter</i> , 2006 , 372, 40-44	2.8	3
6	On a low-dimensional model for magnetostriction. <i>Physica B: Condensed Matter</i> , 2006 , 372, 378-382	2.8	7
5	. <i>IEEE Transactions on Automatic Control</i> , 2005 , 50, 798-810	5.9	138
4	On a low-dimensional model for ferromagnetism. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2005 , 61, 1447-1482	1.3	17
3	New, Fast Numerical Method for Solving Two-Point Boundary-Value Problems. <i>Journal of Guidance, Control, and Dynamics</i> , 2004 , 27, 301-304	2.1	16
2	Hysteresis parameter identification with limited experimental data. <i>IEEE Transactions on Magnetics</i> , 2004 , 40, 3227-3239	2	42
1	Recursive estimation of the Preisach density function for a smart actuator 2004 ,		1