Ram Iyer

List of Publications by Citations

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	. *IEEE Transactions on Automatic Control*, **2005**, 50, 798-810	5.9	138
27	. *IEEE Control Systems*, **2009**, 29, 83-99	2.9	111
26	Tour Planning for an Unmanned Air Vehicle Under Wind Conditions. *Journal of Guidance, Control, and Dynamics*, **2007**, 30, 1299-1306	2.1	44
25	Hysteresis parameter identification with limited experimental data. *IEEE Transactions on Magnetics*, **2004**, 40, 3227-3239	2	42
24	. *IEEE Control Systems*, **2009**, 29, 26-28	2.9	34
23	On a low-dimensional model for ferromagnetism. *Nonlinear Analysis: Theory, Methods & Applications*, **2005**, 61, 1447-1482	1.3	17
22	New, Fast Numerical Method for Solving Two-Point Boundary-Value Problems. *Journal of Guidance, Control, and Dynamics*, **2004**, 27, 301-304	2.1	16
21	Study of a play-like operator. *Physica B: Condensed Matter*, **2008**, 403, 456-459	2.8	7
20	On a low-dimensional model for magnetostriction. *Physica B: Condensed Matter*, **2006**, 372, 378-382	2.8	7
19	Macroscopic theory for capillary-pressure hysteresis. *Langmuir*, **2015**, 31, 2390-7	4	5
18	Optimal control problems on parallelizable Riemannian manifolds: theory and applications. *ESAIM - Control, Optimisation and Calculus of Variations*, **2006**, 12, 1-11	1	4
17	Extension of hysteresis operators of Preisach-type to real, Lebesgue measurable functions. *Physica B: Condensed Matter*, **2008**, 403, 437-439	2.8	3
16	On the representation of hysteresis operators of Preisach type. *Physica B: Condensed Matter*, **2006**, 372, 40-44	2.8	3
15	Investigation of energy dissipation due to contact angle hysteresis in capillary effect. *Journal of Physics: Conference Series*, **2016**, 727, 012003	0.3	3
14	Smoothing Splines on Unit Ball Domains with Application to Corneal Topography. *IEEE Transactions on Medical Imaging*, **2017**, 36, 518-526	11.7	2
13	**2016**,		2
12	Simultaneous Estimation of Corneal Topography, Pachymetry, and Curvature. *IEEE Transactions on Medical Imaging*, **2018**, 37, 2463-2473	11.7	2

List of Publications

11	Energy dissipation due to viscosity during deformation of a capillary surface subject to contact angle hysteresis. *Physica B: Condensed Matter*, **2014**, 435, 28-30	2.8	1
10	Asymptotic behavior of a low-dimensional model for magnetostriction for periodic input. *Physica B: Condensed Matter*, **2008**, 403, 257-260	2.8	1
9	Recursive estimation of the Preisach density function for a smart actuator **2004**,		1
8	On a two-point boundary value problem for the 2-D Navier-Stokes equations arising from capillary effect. *Mathematical Modelling of Natural Phenomena*, **2020**, 15, 17	3	
7	Proportional Derivative Control of Hysteretic Systems. *SIAM Journal on Control and Optimization*, **2013**, 51, 3415-3433	1.9	
6	Stabilization of a system with saturating, non-monotone hysteresis and frequency dependent power losses by a PD controller. *Journal of Physics: Conference Series*, **2015**, 585, 012006	0.3	
5	Micromagnetics with eddy currents. *Journal of Physics: Conference Series*, **2011**, 268, 012011	0.3	
4	. *IEEE Transactions on Automatic Control*, **2008**, 53, 1850-1863	5.9	
3	. *IEEE Transactions on Automatic Control*, **2008**, 53, 1864-1875	5.9	
2	Model of a multiple-lens, single-fiber system in a compound eye. *International Journal of Applied Electromagnetics and Mechanics*, **2008**, 28, 73-78	0.4	
1	On the Existence and Uniqueness of Minimum Time Optimal Trajectory for a Micro Air Vehicle under Wind Conditions. *Lecture Notes in Control and Information Sciences*, **2009**, 57-77	0.5	