

Fernando M F Rhen

List of Publications by Year in descending order

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41
papers

967
citations

516215

16
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454577

30
g-index

42
all docs

42
docs citations

42
times ranked

1102
citing authors

#	ARTICLE	IF	CITATIONS
1	Racemic Amino Acid Piezoelectric Transducer. <i>Physical Review Letters</i> , 2019, 122, 047701.	2.9	59
2	Pt nanotube network with high activity for methanol oxidation. <i>Journal of Applied Electrochemistry</i> , 2018, 48, 165-173.	1.5	4
3	Control of piezoelectricity in amino acids by supramolecular packing. <i>Nature Materials</i> , 2018, 17, 180-186.	13.3	218
4	Fe@Pt thin film for oxygen reduction reaction. <i>Journal of Applied Electrochemistry</i> , 2018, 48, 1009-1017.	1.5	2
5	Electrical Storage. <i>Issues in Environmental Science and Technology</i> , 2018, , 150-183.	0.4	0
6	Enhanced Methanol Oxidation on Strained Pt Films. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2556-2562.	1.5	15
7	Investigation of the magnetization reversal mechanism of electrolessly deposited Co-B nanotubes. <i>AIP Advances</i> , 2016, 6, .	0.6	3
8	Investigation of Magnetic Properties of Ni@B Nanotubes at Low Temperatures. <i>IEEE Transactions on Magnetics</i> , 2016, 52, 1-4.	1.2	3
9	The Diverse Nanostructure of Electroless Plated CoNiFeB Alloy: Thin Film, Nanotubes and Nanoparticles. <i>Physics Procedia</i> , 2015, 75, 1158-1166.	1.2	4
10	Increasing the Magnetization of Electrolessly Deposited Ni@B Nanotubes. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	1.2	4
11	Synthesis and Characterization of Ni@Fe@B Nanotubes. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	1.2	3
12	Investigation of the Electroless Deposition Process of Magnetic Nanostructures. <i>ECS Transactions</i> , 2015, 64, 39-48.	0.3	5
13	Nanostructured Co-B Catalysts for Hydrogen Generation. <i>Springer Proceedings in Energy</i> , 2015, , 491-496.	0.2	1
14	Magnetic Properties of Electroless Deposited Ni@Cu@B Nanotube Arrays. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	1.2	9
15	Preisach analysis of sputtered SmCo thick films. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	3
16	Electrodeposited anisotropic NiFe 45/55 thin films for high-frequency micro-inductor applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 1690-1693.	1.0	37
17	Spin dynamics of polycrystalline Ni films on Si substrate. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 1686-1689.	1.0	2
18	Magnetic properties of Ni nanoparticles on microporous silica spheres. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 1269-1274.	1.0	13

#	ARTICLE	IF	CITATIONS
19	Electrodeposition of coercive L10 FePt magnets. Journal of Magnetism and Magnetic Materials, 2010, 322, 1572-1575.	1.0	18
20	Electroless thin film CoNiFe-B alloys for integrated magnetics on Si. Electrochimica Acta, 2009, 54, 1851-1856.	2.6	9
21	Magnetic properties of nickel nanowires: Effect of deposition temperature. Journal of Applied Physics, 2009, 105, 083922.	1.1	26
22	High-frequency permeability of electroplated CoNiFe and CoNiFe-C alloys. Journal of Magnetism and Magnetic Materials, 2008, 320, e819-e822.	1.0	12
23	Coaxial metal and magnetic alloy nanotubes in polycarbonate templates by electroless deposition. Electrochemistry Communications, 2008, 10, 1419-1422.	2.3	36
24	Dependence of magnetic properties on micro- to nanostructure of CoNiFe films. Journal of Applied Physics, 2008, 103, .	1.1	28
25	Thin-Film-Integrated Power Inductor on Si and Its Performance in an 8-MHz Buck Converter. IEEE Transactions on Magnetics, 2008, 44, 4096-4099.	1.2	49
26	Fabrication of Magnetic Force Microscopy Tips via Electrodeposition and Focused Ion Beam Milling. IEEE Transactions on Magnetics, 2008, 44, 3248-3251.	1.2	5
27	Electrodeposited CoNiFeP Soft-Magnetic Films for High-Frequency Applications. IEEE Transactions on Magnetics, 2008, 44, 3917-3920.	1.2	11
28	Core Materials for High Frequency VRM Inductors. , 2007, , .		11
29	Magnetic Field Induced Modulation of Anodic Area: Rest Potential Analysis of Zn and Fe. Journal of Physical Chemistry C, 2007, 111, 3412-3416.	1.5	24
30	Design and application of a magnetic field gradient electrode. Electrochemistry Communications, 2007, 9, 155-158.	2.3	30
31	The magnetic concentration gradient force "Is it real?. Journal of Solid State Electrochemistry, 2007, 11, 711-717.	1.2	57
32	Influence of a Magnetic Field on the Electrochemical Rest Potential. Journal of the Electrochemical Society, 2006, 153, J1.	1.3	30
33	Magnetic Field Effect on Autocatalysis: Ag and Cu in Concentrated Nitric Acid. Journal of Physical Chemistry B, 2006, 110, 6274-6278.	1.2	15
34	Magnetization of electrodeposited nickel: Role of interstitial carbon. Journal of Applied Physics, 2006, 99, 08J301.	1.1	6
35	Thick-film permanent magnets by membrane electrodeposition. Journal of Applied Physics, 2005, 97, 113908.	1.1	64
36	Magnetic field effect on the rest potential of zinc. Electrochemistry Communications, 2004, 6, 413-416.	2.3	36

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37	Electrodeposited FePt films. IEEE Transactions on Magnetics, 2003, 39, 2699-2701.	1.2	56
38	Effect of ZrB ₂ addition on SmCo-1:7 high temperature magnets. Journal of Applied Physics, 2003, 93, 8683-8685.	1.1	15
39	Magnetic field effects on the rest potential of ferromagnetic electrodes. IEEE Transactions on Magnetics, 2002, 38, 3216-3218.	1.2	14
40	Effect of Fe, Cu, Zr, and Ti on the magnetic properties of SmCo-1:7 magnets. IEEE Transactions on Magnetics, 2002, 38, 2919-2921.	1.2	10
41	Enhanced magnetoresistance in Sr ₂ FeMoO ₆ by combustion synthesis. Journal of Materials Chemistry, 2002, 12, 2184-2186.	6.7	20