

Fernando M F Rhen

List of Publications by Year in descending order

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41
papers

967
citations

516215

16
h-index

454577

30
g-index

42
all docs

42
docs citations

42
times ranked

1102
citing authors

#	ARTICLE	IF	CITATIONS
1	Control of piezoelectricity in amino acids by supramolecular packing. <i>Nature Materials</i> , 2018, 17, 180-186.	13.3	218
2	Thick-film permanent magnets by membrane electrodeposition. <i>Journal of Applied Physics</i> , 2005, 97, 113908.	1.1	64
3	Racemic Amino Acid Piezoelectric Transducer. <i>Physical Review Letters</i> , 2019, 122, 047701.	2.9	59
4	The magnetic concentration gradient force—Is it real?. <i>Journal of Solid State Electrochemistry</i> , 2007, 11, 711-717.	1.2	57
5	Electrodeposited FePt films. <i>IEEE Transactions on Magnetics</i> , 2003, 39, 2699-2701.	1.2	56
6	Thin-Film-Integrated Power Inductor on Si and Its Performance in an 8-MHz Buck Converter. <i>IEEE Transactions on Magnetics</i> , 2008, 44, 4096-4099.	1.2	49
7	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
8	Magnetic field effect on the rest potential of zinc. <i>Electrochemistry Communications</i> , 2004, 6, 413-416.	2.3	36
9	Coaxial metal and magnetic alloy nanotubes in polycarbonate templates by electroless deposition. <i>Electrochemistry Communications</i> , 2008, 10, 1419-1422.	2.3	36
10	Influence of a Magnetic Field on the Electrochemical Rest Potential. <i>Journal of the Electrochemical Society</i> , 2006, 153, J1.	1.3	30
11	Design and application of a magnetic field gradient electrode. <i>Electrochemistry Communications</i> , 2007, 9, 155-158.	2.3	30
12	Dependence of magnetic properties on micro- to nanostructure of CoNiFe films. <i>Journal of Applied Physics</i> , 2008, 103, .	1.1	28
13	Magnetic properties of nickel nanowires: Effect of deposition temperature. <i>Journal of Applied Physics</i> , 2009, 105, 083922.	1.1	26
14	Magnetic Field Induced Modulation of Anodic Area: Rest Potential Analysis of Zn and Fe. <i>Journal of Physical Chemistry C</i> , 2007, 111, 3412-3416.	1.5	24
15	Enhanced magnetoresistance in Sr ₂ FeMoO ₆ by combustion synthesis. <i>Journal of Materials Chemistry</i> , 2002, 12, 2184-2186.	6.7	20
16	Electrodeposition of coercive L10 FePt magnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 1572-1575.	1.0	18
17	Effect of ZrB ₂ addition on SmCo-1:7 high temperature magnets. <i>Journal of Applied Physics</i> , 2003, 93, 8683-8685.	1.1	15
18	Magnetic Field Effect on Autocatalysis: Ag and Cu in Concentrated Nitric Acid. <i>Journal of Physical Chemistry B</i> , 2006, 110, 6274-6278.	1.2	15

#	ARTICLE	IF	CITATIONS
19	Enhanced Methanol Oxidation on Strained Pt Films. Journal of Physical Chemistry C, 2017, 121, 2556-2562.	1.5	15
20	Magnetic field effects on the rest potential of ferromagnetic electrodes. IEEE Transactions on Magnetics, 2002, 38, 3216-3218.	1.2	14
21	Magnetic properties of Ni nanoparticles on microporous silica spheres. Journal of Magnetism and Magnetic Materials, 2010, 322, 1269-1274.	1.0	13
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	Core Materials for High Frequency VRM Inductors. , 2007, , .		11
24	Electrodeposited CoNiFeP Soft-Magnetic Films for High-Frequency Applications. IEEE Transactions on Magnetics, 2008, 44, 3917-3920.	1.2	11
25	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
26	Electroless thin film CoNiFe-B alloys for integrated magnetics on Si. Electrochimica Acta, 2009, 54, 1851-1856.	2.6	9
27	Magnetic Properties of Electroless Deposited Ni-Cu-B Nanotube Arrays. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	9
28	Magnetization of electrodeposited nickel: Role of interstitial carbon. Journal of Applied Physics, 2006, 99, 08J301.	1.1	6
29	Fabrication of Magnetic Force Microscopy Tips via Electrodeposition and Focused Ion Beam Milling. IEEE Transactions on Magnetics, 2008, 44, 3248-3251.	1.2	5
30	Investigation of the Electroless Deposition Process of Magnetic Nanostructures. ECS Transactions, 2015, 64, 39-48.	0.3	5
31	The Diverse Nanostructure of Electroless Plated CoNiFeB Alloy: Thin Film, Nanotubes and Nanoparticles. Physics Procedia, 2015, 75, 1158-1166.	1.2	4
32	Increasing the Magnetization of Electrolessly Deposited Ni-B Nanotubes. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	4
33	Pt nanotube network with high activity for methanol oxidation. Journal of Applied Electrochemistry, 2018, 48, 165-173.	1.5	4
34	Preisach analysis of sputtered SmCo thick films. Journal of Applied Physics, 2013, 113, .	1.1	3
35	Synthesis and Characterization of Ni-Fe-B Nanotubes. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	3
36	Investigation of the magnetization reversal mechanism of electrolessly deposited Co-B nanotubes. AIP Advances, 2016, 6, .	0.6	3

#	ARTICLE	IF	CITATIONS
37	Investigation of Magnetic Properties of Ni@B Nanotubes at Low Temperatures. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	3
38	Spin dynamics of polycrystalline Ni films on Si substrate. Journal of Magnetism and Magnetic Materials, 2010, 322, 1686-1689.	1.0	2
39	Fe@Pt thin film for oxygen reduction reaction. Journal of Applied Electrochemistry, 2018, 48, 1009-1017.	1.5	2
40	Nanostructured Co-B Catalysts for Hydrogen Generation. Springer Proceedings in Energy, 2015, , 491-496.	0.2	1
41	Electrical Storage. Issues in Environmental Science and Technology, 2018, , 150-183.	0.4	0