

Josã© Diogo Costa

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

617
citations

932766
10
h-index

713013
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g-index

24
all docs

24
docs citations

24
times ranked

1295
citing authors

#	ARTICLE	IF	CITATIONS
1	Femtosecond control of electric currents in metallic ferromagnetic heterostructures. Nature Nanotechnology, 2016, 11, 455-458.	15.6	182
2	Interface Engineering in Nanostructured Nickel Phosphide Catalyst for Efficient and Stable Water Oxidation. ACS Catalysis, 2017, 7, 5450-5455.	5.5	74
3	Al-Induced In Situ Formation of Highly Active Nanostructured Water-Oxidation Electrocatalyst Based on Ni-Phosphide. ACS Catalysis, 2018, 8, 2595-2600.	5.5	67
4	Electrocatalytic Performance and Stability of Nanostructured Feâ€“Ni Pyrite-Type Diphosphide Catalyst Supported on Carbon Paper. Journal of Physical Chemistry C, 2016, 120, 16537-16544.	1.5	53
5	The role of the Ti surface roughness in the self-ordering of TiO₂ nanotubes: a detailed study of the growth mechanism. Journal of Materials Chemistry A, 2014, 2, 9067-9078.	5.2	52
6	Laser induced THz emission from femtosecond photocurrents in Co/ZnO/Pt and Co/Cu/Pt multilayers. Journal Physics D: Applied Physics, 2018, 51, 134001.	1.3	36
7	High power and low critical current density spin transfer torque nano-oscillators using MgO barriers with intermediate thickness. Scientific Reports, 2017, 7, 7237.	1.6	35
8	Giant intrinsic thermomagnetic effects in thin MgO magnetic tunnel junctions. Applied Physics Letters, 2013, 102, 212413.	1.5	21
9	LAO-NCS: Laser Assisted Spin Torque Nano Oscillator-Based Neuromorphic Computing System. Frontiers in Neuroscience, 2019, 13, 1429.	1.4	20
10	The cyclic nature of porosity in anodic TiO₂ nanotube arrays. Journal of Materials Chemistry A, 2015, 3, 3692-3698.	5.2	15
11	Terahertz dynamics of spins and charges in CoFe/Al2O3 multilayers. Physical Review B, 2015, 91, .	1.1	10
12	Compact tunable YIG-based RF resonators. Applied Physics Letters, 2021, 118, .	1.5	9
13	Enhancing the injection locking range of spin torque oscillators through mutual coupling. Applied Physics Letters, 2016, 109, .	1.5	8
14	Excitation and coherent control of magnetization dynamics in magnetic tunnel junctions using acoustic pulses. Applied Physics Letters, 2018, 113, .	1.5	8
15	Observation of spin-dependent quantum well resonant tunneling in textured CoFeB layers. Applied Physics Letters, 2014, 104, .	1.5	7
16	Electrical measurement of absolute temperature and temperature transients in a buried nanostructure under ultrafast optical heating. Applied Physics Letters, 2017, 110, 232403.	1.5	7
17	Impact of MgO Thickness on the Performance of Spin-Transfer Torque Nano-Oscillators. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	4
18	The Morphological Characterization of Anodic TiO₂ Nanotube Arrays. Microscopy and Microanalysis, 2015, 21, 39-40.	0.2	3

#	ARTICLE	IF	CITATIONS
19	The influence of annealing on the bimodal distribution of blocking temperatures of exchange biased bilayers. <i>Physica Status Solidi - Rapid Research Letters</i> , 2013, 7, 676-680.	1.2	2
20	The magnetic tunnel junction as a temperature sensor for buried nanostructures. <i>Journal of Applied Physics</i> , 2018, 124, .	1.1	2
21	Highly Ordered Hexagonal Arrays of TiO ₂ Nanotubes. <i>Microscopy and Microanalysis</i> , 2015, 21, 5-6.	0.2	1
22	Spin-Torque-Nano-Oscillator based neuromorphic computing assisted by laser. , 2019, , .		1
23	Terahertz Response and Ultrafast Laser-Induced Dynamics of Spins and Charges in CoFe/Al ₂ O ₃ Multilayers. <i>Springer Proceedings in Physics</i> , 2015, , 261-263.	0.1	0
24	Coherent Control of Acoustic-Wave-Induced Magnetization Dynamics in Magnetic Tunnel Junctions. , 2018, , .		0