

Josã© Diogo Costa

List of Publications by Year in descending order

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24
papers

617
citations

932766
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21
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all docs

24
docs citations

24
times ranked

1295
citing authors

#	ARTICLE	IF	CITATIONS
1	Compact tunable YIG-based RF resonators. Applied Physics Letters, 2021, 118, .	1.5	9
2	Spin-Torque-Nano-Oscillator based neuromorphic computing assisted by laser. , 2019, , .		1
3	LAO-NCS: Laser Assisted Spin Torque Nano Oscillator-Based Neuromorphic Computing System. Frontiers in Neuroscience, 2019, 13, 1429.	1.4	20
4	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
5	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
6	Coherent Control of Acoustic-Wave-Induced Magnetization Dynamics in Magnetic Tunnel Junctions. , 2018, , .		0
7	The magnetic tunnel junction as a temperature sensor for buried nanostructures. Journal of Applied Physics, 2018, 124, .	1.1	2
8	Excitation and coherent control of magnetization dynamics in magnetic tunnel junctions using acoustic pulses. Applied Physics Letters, 2018, 113, .	1.5	8
9	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
10	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
11	Interface Engineering in Nanostructured Nickel Phosphide Catalyst for Efficient and Stable Water Oxidation. ACS Catalysis, 2017, 7, 5450-5455.	5.5	74
12	Enhancing the injection locking range of spin torque oscillators through mutual coupling. Applied Physics Letters, 2016, 109, .	1.5	8
13	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
14	Femtosecond control of electric currents in metallic ferromagnetic heterostructures. Nature Nanotechnology, 2016, 11, 455-458.	15.6	182
15	The Morphological Characterization of Anodic TiO₂ Nanotube Arrays. Microscopy and Microanalysis, 2015, 21, 39-40.	0.2	3
16	Highly Ordered Hexagonal Arrays of TiO2 Nanotubes. Microscopy and Microanalysis, 2015, 21, 5-6.	0.2	1
17	The cyclic nature of porosity in anodic TiO₂ nanotube arrays. Journal of Materials Chemistry A, 2015, 3, 3692-3698.	5.2	15
18	Terahertz Response and Ultrafast Laser-Induced Dynamics of Spins and Charges in CoFe/Al2O3 Multilayers. Springer Proceedings in Physics, 2015, , 261-263.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Impact of MgO Thickness on the Performance of Spin-Transfer Torque Nano-Oscillators. IEEE Transactions on Magnetism, 2015, 51, 1-4.	1.2	4
20	Terahertz dynamics of spins and charges in CoFe/Al ₂ O ₃ multilayers. Physical Review B, 2015, 91, .	1.1	10
21	Observation of spin-dependent quantum well resonant tunneling in textured CoFeB layers. Applied Physics Letters, 2014, 104, .	1.5	7
22	The role of the Ti surface roughness in the self-ordering of TiO ₂ nanotubes: a detailed study of the growth mechanism. Journal of Materials Chemistry A, 2014, 2, 9067-9078.	5.2	52
23	Giant intrinsic thermomagnetic effects in thin MgO magnetic tunnel junctions. Applied Physics Letters, 2013, 102, 212413.	1.5	21
24	The influence of annealing on the bimodal distribution of blocking temperatures of exchange biased bilayers. Physica Status Solidi - Rapid Research Letters, 2013, 7, 676-680.	1.2	2