

Ilie E Radu

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

1,300
citations

933447

10
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

2223
citing authors

#	ARTICLE	IF	CITATIONS
1	Terahertz spin current pulses controlled by magnetic heterostructures. Nature Nanotechnology, 2013, 8, 256-260.	31.5	476
2	Nanoscale spin reversal by non-local angular momentum transfer following ultrafast laser excitation in ferrimagnetic GdFeCo. Nature Materials, 2013, 12, 293-298.	27.5	267
3	Crystallographically amorphous ferrimagnetic alloys: Comparing a localized atomistic spin model with experiments. Physical Review B, 2011, 84, .	3.2	130
4	Perpendicular exchange bias in ferrimagnetic spin valves. Nature Communications, 2012, 3, 715.	12.8	112
5	Antiferromagnetic-ferromagnetic phase transition in FeRh probed by x-ray magnetic circular dichroism. Physical Review B, 2008, 77, .	3.2	79
6	Ultrafast thermally induced magnetic switching in synthetic ferrimagnets. Applied Physics Letters, 2014, 104, .	3.3	67
7	Laser-induced generation and quenching of magnetization on FeRh studied with time-resolved x-ray magnetic circular dichroism. Physical Review B, 2010, 81, .	3.2	61
8	The 2021 ultrafast spectroscopic probes of condensed matter roadmap. Journal of Physics Condensed Matter, 2021, 33, 353001.	1.8	55
9	Coherent surface and bulk vibrations induced by femtosecond laser excitation of the Gd(0001) surface state. Physical Review B, 2004, 69, .	3.2	28
10	Spectral dependence of time-resolved coherent and incoherent second-harmonic response of ferromagnetic Gd(0001). Journal of the Optical Society of America B: Optical Physics, 2005, 22, 204.	2.1	11
11	Laser-Induced Ultrafast Magnetic Phenomena. Handbook of Magnetic Materials, 2017, 26, 291-463.	0.6	11
12	Ultrafast magnetism as seen by x-rays. Proceedings of SPIE, 2012, , .	0.8	3