

László Udvardi

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

279
citations

1478505

6
h-index

1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

418
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological charges of fullerenes. <i>Journal of Mathematical Chemistry</i> , 2023, 61, 335-342.	1.5	2
2	Spin reorientation transition in an ultrathin Fe film on W(110) induced by Dzyaloshinsky-Moriya interactions. <i>Physical Review B</i> , 2020, 102, .	3.2	5
3	Exchange interactions from a nonorthogonal basis set: From bulk ferromagnets to the magnetism in low-dimensional graphene systems. <i>Physical Review B</i> , 2019, 99, .	3.2	7
4	Metadynamics study of the temperature dependence of magnetic anisotropy and spin-reorientation transitions in ultrathin films. <i>Physical Review B</i> , 2019, 100, .	3.2	2
5	Inducing skyrmions in ultrathin Fe films by hydrogen exposure. <i>Nature Communications</i> , 2018, 9, 1571.	12.8	40
6	Formation and stability of metastable skyrmionic spin structures with various topologies in an ultrathin film. <i>Physical Review B</i> , 2017, 95, .	3.2	61
7	Spin-polarized scanning tunneling microscopy characteristics of skyrmionic spin structures exhibiting various topologies. <i>Physical Review B</i> , 2017, 96, .	3.2	9
8	Skyrmions with Attractive Interactions in an Ultrathin Magnetic Film. <i>Physical Review Letters</i> , 2016, 117, 157205.	7.8	80
9	Complex magnetic phase diagram and skyrmion lifetime in an ultrathin film from atomistic simulations. <i>Physical Review B</i> , 2016, 93, .	3.2	65
10	Non-Collinear Magnetic Configurations at Finite Temperature in Thin Films. <i>IEEE Transactions on Magnetism</i> , 2014, 50, 1-4.	2.1	1
11	Theoretical study of magnetic domain walls through a cobalt nanocontact. <i>Physical Review B</i> , 2012, 86, .	3.2	6
12	Magnetic multilayers and nanostructures. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	0
13	The electronic properties of charged. , 1999, , .		0
14	II-Orbitals in fullerenes. <i>Fullerenes, Nanotubes, and Carbon Nanostructures</i> , 1997, 5, 419-427.	0.6	1