

# Gergely Zimanyi

## List of Publications by Year in descending order

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22  
papers

858  
citations

858243

12  
h-index

1051228

16  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1264  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural characterization of a polycrystalline epitaxially-fused colloidal quantum dot superlattice by electron tomography. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18254-18265.	5.2	7
2	Atomistic study on the pressure dependence of the melting point of NdFe <sub>12</sub> . <i>AIP Advances</i> , 2020, 10, 025130.	0.6	1
3	Precipitating ordered skyrmion lattices from helical spaghetti and granular powders. <i>Physical Review Materials</i> , 2019, 3, .	0.9	12
4	On the limits of coercivity in permanent magnets. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	27
5	Coercivity enhancement in Ce-Fe-B based magnets by core-shell grain structuring. <i>AIP Advances</i> , 2016, 6, .	0.6	42
6	Exotic phase Si nanoparticles and Si-ZnS nanocomposites: New paradigms to improve the efficiency of MEG solar cells. , 2014, , .		0
7	High-Pressure Core Structures of Si Nanoparticles for Solar Energy Conversion. <i>Physical Review Letters</i> , 2013, 110, 046804.	2.9	65
8	Orbital Kondo Effect Due to Assisted Hopping: Superconductivity, Mass Enhancement in Copper Oxides with Apical Oxygen. <i>Progress of Theoretical Physics Supplement</i> , 2013, 106, 11-30.	0.2	0
9	First order reversal curve studies of permanent magnets. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	44
10	Vertically graded anisotropy in Co/Pd multilayers. <i>Physical Review B</i> , 2010, 81, .	1.1	66
11	The FORC &#x03B1;M <sub>2</sub> S method and its applications. , 2009, , .		3
12	Direct observation of magnetic gradient in Co/Pd pressure-graded media. <i>Journal of Applied Physics</i> , 2009, 105, 07C929.	1.1	26
13	Thermal stability of graded exchange spring media under the influence of external fields. <i>Applied Physics Letters</i> , 2008, 92, 173111.	1.5	39
14	Disorder-induced magnetic memory: Experiments and theories. <i>Physical Review B</i> , 2007, 75, .	1.1	68
15	First-Order Reversal Curve Studies of Magnetization Reversal in Prototype Recording Media. , 2006, , .		0
16	First-order reversal curve diagram analysis of a perpendicular nickel nanopillar array. <i>Physical Review B</i> , 2005, 71, .	1.1	164
17	Anisotropy dependence of irreversible switching in Fe <sup>2+</sup> -SmCo and FeNi <sup>2+</sup> -FePt exchange spring magnet films. <i>Applied Physics Letters</i> , 2005, 86, 262503.	1.5	134
18	Fingerprinting hysteresis. <i>Journal of Applied Physics</i> , 2004, 95, 7040-7042.	1.1	1

#	ARTICLE	IF	CITATIONS
19	Reversal-field memory in magnetic hysteresis. <i>Journal of Applied Physics</i> , 2003, 93, 6617-6619.	1.1	0
20	Effect of splayed pins on vortex creep and critical currents. <i>Physical Review B</i> , 2000, 62, R3612-R3615.	1.1	7
21	Supersolids in the Bose-Hubbard Hamiltonian. <i>Physical Review Letters</i> , 1995, 74, 2527-2530.	2.9	152
22	Phase Transitions in Dissipative Josephson Chains. <i>Materials Research Society Symposia Proceedings</i> , 1990, 195, 357.	0.1	0