

# Gergely Zimanyi

## List of Publications by Year in descending order

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22  
papers

858  
citations

759233  
12  
h-index

940533  
16  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1129  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural characterization of a polycrystalline epitaxially-fused colloidal quantum dot superlattice by electron tomography. Journal of Materials Chemistry A, 2020, 8, 18254-18265.	10.3	7
2	Atomistic study on the pressure dependence of the melting point of NdFe12. AIP Advances, 2020, 10, 025130.	1.3	1
3	Precipitating ordered skyrmion lattices from helical spaghetti and granular powders. Physical Review Materials, 2019, 3, .	2.4	12
4	On the limits of coercivity in permanent magnets. Applied Physics Letters, 2017, 111, .	3.3	27
5	Coercivity enhancement in Ce-Fe-B based magnets by core-shell grain structuring. AIP Advances, 2016, 6, .	1.3	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. Physical Review Letters, 2013, 110, 046804.	7.8	65
8	Orbital Kondo Effect Due to Assisted Hopping: Superconductivity, Mass Enhancement in Copper Oxides with Apical Oxygen. Progress of Theoretical Physics Supplement, 2013, 106, 11-30.	0.1	0
9	First order reversal curve studies of permanent magnets. Journal of Applied Physics, 2012, 111, .	2.5	44
10	Vertically graded anisotropy in Co/Pd multilayers. Physical Review B, 2010, 81, .	3.2	66
11	The FORC &#x03B1;M2.S method and its applications. , 2009, , .		3
12	Direct observation of magnetic gradient in Co/Pd pressure-graded media. Journal of Applied Physics, 2009, 105, 07C929.	2.5	26
13	Thermal stability of graded exchange spring media under the influence of external fields. Applied Physics Letters, 2008, 92, 173111.	3.3	39
14	Disorder-induced magnetic memory: Experiments and theories. Physical Review B, 2007, 75, .	3.2	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. Physical Review B, 2005, 71, .	3.2	164
17	Anisotropy dependence of irreversible switching in Feâ•SmCo and FeNiâ•FePt exchange spring magnet films. Applied Physics Letters, 2005, 86, 262503.	3.3	134
18	Fingerprinting hysteresis. Journal of Applied Physics, 2004, 95, 7040-7042.	2.5	1

#	ARTICLE	IF	CITATIONS
19	Reversal-field memory in magnetic hysteresis. Journal of Applied Physics, 2003, 93, 6617-6619.	2.5	0
20	Effect of splayed pins on vortex creep and critical currents. Physical Review B, 2000, 62, R3612-R3615.	3.2	7
21	Supersolids in the Bose-Hubbard Hamiltonian. Physical Review Letters, 1995, 74, 2527-2530.	7.8	152
22	Phase Transitions in Dissipative Josephson Chains. Materials Research Society Symposia Proceedings, 1990, 195, 357.	0.1	0