

# Gergely Zimanyi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6298757/publications.pdf>

Version: 2024-02-01

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	First-order reversal curve diagram analysis of a perpendicular nickel nanopillar array. Physical Review B, 2005, 71, .	3.2	164
2	Supersolids in the Bose-Hubbard Hamiltonian. Physical Review Letters, 1995, 74, 2527-2530.	7.8	152
3	Anisotropy dependence of irreversible switching in Fe <sup>2+</sup> /SmCo and FeNi <sup>2+</sup> /FePt exchange spring magnet films. Applied Physics Letters, 2005, 86, 262503.	3.3	134
4	Disorder-induced magnetic memory: Experiments and theories. Physical Review B, 2007, 75, .	3.2	68
5	Vertically graded anisotropy in Co/Pd multilayers. Physical Review B, 2010, 81, .	3.2	66
6	High-Pressure Core Structures of Si Nanoparticles for Solar Energy Conversion. Physical Review Letters, 2013, 110, 046804.	7.8	65
7	First order reversal curve studies of permanent magnets. Journal of Applied Physics, 2012, 111, .	2.5	44
8	Coercivity enhancement in Ce-Fe-B based magnets by core-shell grain structuring. AIP Advances, 2016, 6, .	1.3	42
9	Thermal stability of graded exchange spring media under the influence of external fields. Applied Physics Letters, 2008, 92, 173111.	3.3	39
10	On the limits of coercivity in permanent magnets. Applied Physics Letters, 2017, 111, .	3.3	27
11	Direct observation of magnetic gradient in Co/Pd pressure-graded media. Journal of Applied Physics, 2009, 105, 07C929.	2.5	26
12	Precipitating ordered skyrmion lattices from helical spaghetti and granular powders. Physical Review Materials, 2019, 3, .	2.4	12
13	Effect of splayed pins on vortex creep and critical currents. Physical Review B, 2000, 62, R3612-R3615.	3.2	7
14	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
15	The FORC &#x03B1 <sub>M2.S</sub> method and its applications. , 2009, , .		3
16	Fingerprinting hysteresis. Journal of Applied Physics, 2004, 95, 7040-7042.	2.5	1
17	Atomistic study on the pressure dependence of the melting point of NdFe <sub>12</sub> . AIP Advances, 2020, 10, 025130.	1.3	1
18	Phase Transitions in Dissipative Josephson Chains. Materials Research Society Symposia Proceedings, 1990, 195, 357.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Reversal-field memory in magnetic hysteresis. Journal of Applied Physics, 2003, 93, 6617-6619.	2.5	0
20	First-Order Reversal Curve Studies of Magnetization Reversal in Prototype Recording Media. , 2006, , .		0
21	Exotic phase Si nanoparticles and Si-ZnS nanocomposites: New paradigms to improve the efficiency of MEG solar cells. , 2014, , .		0
22	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