

vijay sankar Kalappattil

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,928
citations

687363

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940533

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all docs

16
docs citations

16
times ranked

3526
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong room-temperature ferromagnetism in VSe ₂ monolayers on van der Waals substrates. Nature Nanotechnology, 2018, 13, 289-293.	31.5	1,252
2	Tunable High Aspect Ratio Iron Oxide Nanorods for Enhanced Hyperthermia. Journal of Physical Chemistry C, 2016, 120, 10086-10093.	3.1	209
3	Monolayer Vanadium-Doped Tungsten Disulfide: A Room-Temperature Dilute Magnetic Semiconductor. Advanced Science, 2020, 7, 2001174.	11.2	104
4	Tunable Ferromagnetism and Thermally Induced Spin Flip in Vanadium-Doped Tungsten Diselenide Monolayers at Room Temperature. Advanced Materials, 2020, 32, e2003607.	21.0	68
5	Angle resolved photoemission spectroscopy reveals spin charge separation in metallic MoSe ₂ grain boundary. Nature Communications, 2017, 8, 14231.	12.8	66
6	Room-Temperature Ferromagnetism in MoTe ₂ by Post-Growth Incorporation of Vanadium Impurities. Advanced Electronic Materials, 2019, 5, 1900044.	5.1	60
7	Epitaxial magnetite nanorods with enhanced room temperature magnetic anisotropy. Nanoscale, 2017, 9, 7858-7867.	5.6	27
8	A magnetic sensor using a 2D van der Waals ferromagnetic material. Scientific Reports, 2020, 10, 4789.	3.3	23
9	Roles of bulk and surface magnetic anisotropy on the longitudinal spin Seebeck effect of Pt/YIG. Scientific Reports, 2017, 7, 13316.	3.3	21
10	Switching of a Magnet by Spin-Orbit Torque from a Topological Dirac Semimetal. Advanced Materials, 2021, 33, e2005909.	21.0	21
11	Magnetic Vortex and Hyperthermia Suppression in Multigrain Iron Oxide Nanorings. Applied Sciences (Switzerland), 2020, 10, 787.	2.5	17
12	Large Damping Enhancement in Dirac-Semimetal-Ferromagnetic-Metal Layered Structures Caused by Topological Surface States. Advanced Functional Materials, 2021, 31, 2008411.	14.9	17
13	Light-Controlled Room Temperature Ferromagnetism in Vanadium-Doped Tungsten Disulfide Semiconducting Monolayers. Advanced Electronic Materials, 2021, 7, 2100030.	5.1	17
14	Iron Oxide Nanorings and Nanotubes for Magnetic Hyperthermia: The Problem of Intraparticle Interactions. Nanomaterials, 2021, 11, 1380.	4.1	12
15	A perspective on two-dimensional van der Waals opto-spin-caloritronics. Applied Physics Letters, 2021, 119, .	3.3	10
16	Magnetic anomalies associated with domain wall freezing and coupled electron hopping in magnetite nanorods. Journal of Magnetism and Magnetic Materials, 2021, 522, 167564.	2.3	4