

vijay sankar Kalappattil

List of Publications by Year in descending order

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16
papers

1,928
citations

687363

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940533

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docs citations

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times ranked

3526
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic anomalies associated with domain wall freezing and coupled electron hopping in magnetite nanorods. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 522, 167564.	2.3	4
2	Large Damping Enhancement in Dirac Semimetal-Ferromagnetic Metal Layered Structures Caused by Topological Surface States. <i>Advanced Functional Materials</i> , 2021, 31, 2008411.	14.9	17
3	Switching of a Magnet by Spin-Orbit Torque from a Topological Dirac Semimetal. <i>Advanced Materials</i> , 2021, 33, e2005909.	21.0	21
4	Iron Oxide Nanorings and Nanotubes for Magnetic Hyperthermia: The Problem of Intraparticle Interactions. <i>Nanomaterials</i> , 2021, 11, 1380.	4.1	12
5	Light-Controlled Room Temperature Ferromagnetism in Vanadium-Doped Tungsten Disulfide Semiconducting Monolayers. <i>Advanced Electronic Materials</i> , 2021, 7, 2100030.	5.1	17
6	A perspective on two-dimensional van der Waals opto-spin-caloritronics. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	10
7	Tunable Ferromagnetism and Thermally Induced Spin Flip in Vanadium-Doped Tungsten Diselenide Monolayers at Room Temperature. <i>Advanced Materials</i> , 2020, 32, e2003607.	21.0	68
8	Monolayer Vanadium-Doped Tungsten Disulfide: A Room-Temperature Dilute Magnetic Semiconductor. <i>Advanced Science</i> , 2020, 7, 2001174.	11.2	104
9	A magnetic sensor using a 2D van der Waals ferromagnetic material. <i>Scientific Reports</i> , 2020, 10, 4789.	3.3	23
10	Magnetic Vortex and Hyperthermia Suppression in Multigrain Iron Oxide Nanorings. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 787.	2.5	17
11	Room-Temperature Ferromagnetism in MoTe_2 by Post-Growth Incorporation of Vanadium Impurities. <i>Advanced Electronic Materials</i> , 2019, 5, 1900044.	5.1	60
12	Strong room-temperature ferromagnetism in VSe_2 monolayers on van der Waals substrates. <i>Nature Nanotechnology</i> , 2018, 13, 289-293.	31.5	1,252
13	Angle resolved photoemission spectroscopy reveals spin charge separation in metallic MoSe_2 grain boundary. <i>Nature Communications</i> , 2017, 8, 14231.	12.8	66
14	Epitaxial magnetite nanorods with enhanced room temperature magnetic anisotropy. <i>Nanoscale</i> , 2017, 9, 7858-7867.	5.6	27
15	Roles of bulk and surface magnetic anisotropy on the longitudinal spin Seebeck effect of Pt/YIG. <i>Scientific Reports</i> , 2017, 7, 13316.	3.3	21
16	Tunable High Aspect Ratio Iron Oxide Nanorods for Enhanced Hyperthermia. <i>Journal of Physical Chemistry C</i> , 2016, 120, 10086-10093.	3.1	209