

Ram S Katiyar

List of Publications by Year in descending order

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21
papers

2,262
citations

516710

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h-index

713466

21
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all docs

22
docs citations

22
times ranked

4347
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature-Dependent Raman Studies and Thermal Conductivity of Few-Layer MoS ₂ . Journal of Physical Chemistry C, 2013, 117, 9042-9047.	3.1	602
2	Spin-glass transition in single-crystal BiFeO_3 . Physical Review B, 2008, 77, .	3.2	270
3	Surface Energy Engineering for Tunable Wettability through Controlled Synthesis of MoS ₂ . Nano Letters, 2014, 14, 4314-4321.	9.1	258
4	Multifunctional magnetoelectric materials for device applications. Journal of Physics Condensed Matter, 2015, 27, 504002.	1.8	243
5	New magnetic phase transitions in BiFeO ₃ . Journal of Physics Condensed Matter, 2008, 20, 252203.	1.8	130
6	Symmetries and multiferroic properties of novel room-temperature magnetoelectrics: Lead iron tantalate $\text{Pb}(\text{Fe}, \text{M})\text{x}(\text{Zr}, \text{Ti})(1-x)\text{O}_3$ [M = Ta, Nb]. AIP Advances, 2011, 1, .	1.3	110
7	Room-temperature single phase multiferroic magnetoelectrics: $\text{Pb}(\text{Fe}, \text{M})\text{x}(\text{Zr}, \text{Ti})(1-x)\text{O}_3$ [M = Ta, Nb]. Journal of Applied Physics, 2013, 113, .	2.5	105
8	The Almeida-Thouless line in BiFeO ₃ : is bismuth ferrite a mean field spin glass?. Journal of Physics Condensed Matter, 2009, 21, 042202.	1.8	70
9	Electron-Phonon Interaction and Double-Resonance Raman Studies in Monolayer WS ₂ . Journal of Physical Chemistry C, 2015, 119, 5146-5151.	3.1	69
10	Dynamic magneto-electric multiferroics PZT/CFO multilayered nanostructure. Journal of Materials Science, 2009, 44, 5127-5142.	3.7	62
11	Thermal Conductivity of Freestanding Single Wall Carbon Nanotube Sheet by Raman Spectroscopy. ACS Applied Materials & Interfaces, 2014, 6, 19958-19965.	8.0	58
12	Temperature dependent Raman scattering studies of three dimensional topological insulators Bi ₂ Se ₃ . Journal of Applied Physics, 2014, 115, .	2.5	56
13	Spin-Polarized Tunneling through Chemical Vapor Deposited Multilayer Molybdenum Disulfide. ACS Nano, 2017, 11, 6389-6395.	14.6	53
14	Magnetic effects on dielectric and polarization behavior of multiferroic heterostructures. Applied Physics Letters, 2010, 96, 072904.	3.3	51
15	Optical and Vibrational Studies of Partially Edge-Terminated Vertically Aligned Nanocrystalline MoS ₂ Thin Films. Journal of Physical Chemistry C, 2013, 117, 26262-26268.	3.1	51
16	Phonon anomalies near the magnetic phase transitions in BiFeO ₃ thin films with rhombohedral R3c symmetry. Journal of Applied Physics, 2011, 109, .	2.5	24
17	Anomalous magnetic ordering induced spin-phonon coupling in BiFeO ₃ thin films. Solid State Communications, 2009, 149, 1971-1973.	1.9	17
18	Manipulation of exciton and trion quasiparticles in monolayer WS ₂ via charge transfer. Applied Physics Letters, 2019, 115, .	3.3	14

#	ARTICLE	IF	CITATIONS
19	Cold cathode emission studies on topographically modified few layer and single layer MoS ₂ films. Applied Physics Letters, 2016, 108, 043103.	3.3	9
20	Surface morphology-controlled fabrication of Na ₂ WO ₄ films with high structural stability. Chemical Physics Letters, 2016, 653, 73-77.	2.6	5
21	Graphitic carbon nanospheres: A Raman spectroscopic investigation of thermal conductivity and morphological evolution by pulsed laser irradiation. Journal of Applied Physics, 2015, 118, .	2.5	4