

Jiji Pulikkotil

List of Publications by Year in descending order

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23
papers

772
citations

840776

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23
all docs

23
docs citations

23
times ranked

1268
citing authors

#	ARTICLE	IF	CITATIONS
1	Itinerant Magnetic Excitations in Antiferromagnetic CaFe_2As_2 . Physical Review Letters, 2009, 102, 187206.	7.8	156
2	Enhanced thermoelectric figure-of-merit in spark plasma sintered nanostructured n-type SiGe alloys. Applied Physics Letters, 2012, 101, .	3.3	133
3	Mg ₃ Sb ₂ -based Zintl compound: a non-toxic, inexpensive and abundant thermoelectric material for power generation. RSC Advances, 2013, 3, 8504.	3.6	133
4	Anisotropic Three-Dimensional Magnetism in CaFe_2As_2 . Physical Review Letters, 2008, 101, 227205.	7.8	90
5	Tuning the carrier concentration using Zintl chemistry in Mg ₃ Sb ₂ , and its implications for thermoelectric figure-of-merit. Physical Chemistry Chemical Physics, 2016, 18, 6191-6200.	2.8	59
6	Photoconducting state and its perturbation by electrostatic fields in oxide-based two-dimensional electron gas. Physical Review B, 2012, 86, .	3.2	46
7	Implications of nanostructuring on the thermoelectric properties in half-Heusler alloys. Applied Physics Letters, 2012, 101, .	3.3	37
8	Electronic phase transition and transport properties of Ti ₂ O ₃ . Journal of Alloys and Compounds, 2016, 658, 430-434.	5.5	20
9	Metal-to-insulator transition in $\text{LaAlO}_3/\text{SrTiO}_3$ heterostructures guided by elect. Physical Review B, 2015, 91, .	3.3	19
10	Vacancy induced metallicity at the CaHfO ₃ /SrTiO ₃ interface. Applied Physics Letters, 2011, 98, 133114.	3.3	17
11	LaScO ₃ /SrTiO ₃ : A conducting polar heterointerface of two 3d band insulating perovskites. Applied Physics Letters, 2020, 116, 051603.	3.3	12
12	Cooperative effects of lattice and spin-orbit coupling on the electronic structure of orthorhombic SrIrO ₃ . Journal of Physics Condensed Matter, 2015, 27, 335502.	1.8	9
13	Variation of equation of state parameters in the Mg ₂ (Si _{1-x} Ti _x) ₂ Te. Journal of Applied Physics, 2016, 119, 214101.	1.8	8
14	Retentivity of spin state transitions in LaCoO ₃ with chemical disorder. RSC Advances, 2016, 6, 1403-1407.	3.6	7
15	Polaron-electron assisted giant dielectric dispersion in SrZrO ₃ high-k dielectric. Journal of Applied Physics, 2016, 119, 214101.	2.5	6
16	Mg ₉ Si ₅ : a potential non-toxic thermoelectric material for mid-temperature applications. RSC Advances, 2016, 6, 62445-62450.	3.6	6
17	Ti^{3+} -doped LaAlO ₃ -SrTiO ₃ interface: Electrical transport and characterization of the interface potential. Europhysics Letters, 2014, 106, 57002.	2.0	5
18	Post-perovskite CaIrO ₃ : a conventional Slater type antiferromagnetic insulator. Physical Chemistry Chemical Physics, 2016, 18, 26300-26305.	2.8	5

#	ARTICLE	IF	CITATIONS
19	Evidence of Slater-type mechanism as origin of insulating state in Sr ₂ IrO ₄ . Journal of Physics Condensed Matter, 2019, 31, 425501.	1.8	1
20	Emergence of quasi-two-dimensional electron gas at the interface of LaAlO ₃ /Sr ₂ AlNbO ₆ (001) heterostructures. Journal of Applied Physics, 2020, 127, .	2.5	1
21	A spin-orbit coupling-induced two-dimensional electron gas in BiAlO ₃ /SrTiO ₃ heterostructures. Physical Chemistry Chemical Physics, 2020, 22, 3122-3127.	2.8	1
22	Comparison of Pseudorandom Number Generators and Their Application for Uncertainty Estimation Using Monte Carlo Simulation. Mapan - Journal of Metrology Society of India, 2021, 36, 481-496.	1.5	1
23	Propensity of spin fluctuations in disordered NiCoCr alloys: A first principles study. Journal of Alloys and Compounds, 2021, 864, 158817.	5.5	0