Hari P Nair

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10984696/publications.pdf

Version: 2024-02-01

21 papers	408 citations	687363 13 h-index	839539 18 g-index
21 all docs	21 docs citations	21 times ranked	692 citing authors

#	Article	IF	Citations
1	Tilted spin current generated by the collinear antiferromagnet ruthenium dioxide. Nature Electronics, 2022, 5, 267-274.	26.0	64
2	Synthesis science of SrRuO3 and CaRuO3 epitaxial films with high residual resistivity ratios. APL Materials, 2018, 6, .	5.1	61
3	Exceptionally High, Strongly Temperature Dependent, Spin Hall Conductivity of SrRuO₃. Nano Letters, 2019, 19, 3663-3670.	9.1	40
4	Enhanced conductivity of tunnel junctions employing semimetallic nanoparticles through variation in growth temperature and deposition. Applied Physics Letters, 2010, 96, .	3.3	33
5	Demystifying the growth of superconducting Sr2RuO4 thin films. APL Materials, 2018, 6, .	5.1	33
6	Compact Models of Spreading Resistances for Electrical/Thermal Design of Devices and ICs. IEEE Transactions on Electron Devices, 2007, 54, 1734-1743.	3.0	29
7	Revealing the hidden heavy Fermi liquid in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CaRuO</mml:mi><mml:mn>3</mml:mn></mml:msub> Physical Review B, 2018, 98, .	3.2	17
8	Rutile <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>IrO</mml:mi><mml:mn>2</mml:mn></mml: superlattices: A hyperconnected analog to the Ruddelsden-Popper structure. Physical Review Materials, 2018, 2, .	2.4	17
9	Epitaxial integration and properties of SrRuO3 on silicon. APL Materials, 2018, 6, .	5.1	16
10	Strain relaxation induced transverse resistivity anomalies in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Sr</mml:mi><mml:mi>Ru</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> thin films. Physical Review B, 2020, 102, .	3.2	15
11	Electronic nematicity in Sr ₂ RuO ₄. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10654-10659.	7.1	14
12	Suppression of planar defects in the molecular beam epitaxy of GaAs/ErAs/GaAs heterostructures. Applied Physics Letters, 2011, 99, 072120.	3.3	13
13	Structural and optical studies of nitrogen incorporation into GaSb-based GaInSb quantum wells. Applied Physics Letters, 2012, 100, 021103.	3.3	13
14	Characterization of ErAs:GaAs and LuAs:GaAs Superlattice Structures for Continuous-Wave Terahertz Wave Generation through Plasmonic Photomixing. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 640-648.	2.2	13
15	Strain-Engineered Ferroelastic Structures in PbTiO₃ Films and Their Control by Electric Fields. ACS Applied Materials & Interfaces, 2020, 12, 20691-20703.	8.0	12
16	Surface segregation effects of erbium in GaAs growth and their implications for optical devices containing ErAs nanostructures. Applied Physics Letters, 2011, 98, 121108.	3.3	11
17	Quantum oscillations and quasiparticle properties of thin film <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>Sr</mml:mi></mml:mrow><mml:mn>2</mml:mn> Physical Review B, 2021, 104, .	3.2	4
18	Subâ€Nanosecond Tuning of Microwave Resonators Fabricated on Ruddlesdenâ€“Popper Dielectric Thin Films. Advanced Materials Technologies, 2018, 3, 1800090.	5.8	2

#	Article	IF	Citations
19	Charge-compensated high gain InAs avalanche photodiodes. , 2012, , .		1
20	3.4 μm diode lasers employing Al-free GaInAsSb/GaSb MQW active regions at 20 °C. , 2013, , .		0
21	Harnessing Local Sample Variations to Generate Self-Consistent EELS References for Stoichiometry Quantification. Microscopy and Microanalysis, 2019, 25, 580-581.	0.4	0