

# Piyush Dua

## List of Publications by Year in descending order

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docs citations

19  
times ranked

895  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-Low Power 8-Transistor Modified Gate Diffusion Input Carbon Nano-Tube Field Effect Transistor Full Adder. IETE Journal of Research, 2023, 69, 5518-5531.	2.6	4
2	Selection criteria for spintronic materials: Role of spin dependent band-width narrowing/broadening. Journal of Physics and Chemistry of Solids, 2021, 149, 109786.	4.0	3
3	Influence of Sm doping on structural, ferroelectric, electrical, optical and magnetic properties of BaTiO <sub>3</sub> . Vacuum, 2021, 184, 109872.	3.5	47
4	Numerical simulations on CZTS/CZTSe based solar cell with ZnSe as an alternative buffer layer using SCAPS-1D. Materials Today: Proceedings, 2021, 43, 3735-3739.	1.8	24
5	Diameter Dependent Structural and Electronic Properties of TiC Nanotubes. Materials Today: Proceedings, 2021, 47, 6536-6544.	1.8	0
6	New 2D Structural Materials: Carbon-Gallium Nitride (CC-GaN) and Boron-Gallium Nitride (BN-GaN) Heterostructures Materials Design Through Density Functional Theory. ACS Omega, 2019, 4, 1722-1728.	3.5	11
7	Enhanced sensitivity of magneto-optical sensor using defect induced perovskite metal oxide nanomaterial. Journal of Alloys and Compounds, 2019, 797, 896-901.	5.5	17
8	Choice of Right Dimension and Position of Microstrip Feedline for the Bandwidth Improvement of Microstrip Antenna. Advances in Intelligent Systems and Computing, 2018, , 633-638.	0.6	0
9	Ferromagnetism in Monatomic Chains: Spin-Dependent Bandwidth Narrowing/Broadening. Journal of Physical Chemistry C, 2017, 121, 20994-21000.	3.1	8
10	NH <sub>3</sub> and PH <sub>3</sub> adsorption through single walled ZnS nanotube: First principle insight. Chemical Physics Letters, 2015, 636, 103-109.	2.6	25
11	Effect of Coulomb correlations on one-dimensional monatomic nanowire. International Journal of Nanotechnology, 2012, 9, 961.	0.2	1
12	Photocatalytic and Photoelectrochemical Water Oxidation over Metal-Doped Monoclinic BiVO <sub>4</sub> Photoanodes. ChemSusChem, 2012, 5, 1926-1934.	6.8	311
13	Density Functional Study of 1D Nanowire for Biomedical Applications. Journal of Biomedical Nanotechnology, 2011, 7, 93-94.	1.1	4
14	A Study of Antibacterial Activity of Some Novel 8-Methoxy-4-methyl-quinoline Derivatives. Bulletin of the Korean Chemical Society, 2010, 31, 3605-3610.	1.9	5
15	Role of orbital degeneracy in itinerant ferromagnetism. Journal of Applied Physics, 2007, 101, 09C510.	2.5	1
16	A variational study of periodic Anderson model with superconducting correlations. Journal of Physics and Chemistry of Solids, 2006, 67, 103-107.	4.0	0
17	A variational study of superconducting correlations within periodic Anderson model. Physica B: Condensed Matter, 2005, 359-361, 816-818.	2.7	0
18	Role of inter-site exchange and hybrid interactions in itinerant ferromagnetism. Journal of Physics and Chemistry of Solids, 2004, 65, 1473-1477.	4.0	3