J S Bhat

List of Publications by Year
in descending order

35 papers	462 citations	840585 11 h-index	713332 21 g-index
35 all docs	35 docs citations	35 times ranked	401 citing authors

#	Article	IF	Citations
1	Electron power loss in metal-oxide nanostructures in quantizing magnetic field. Solid State Communications, 2022, 346, 114709.	0.9	0
2	Structural, Optical and Magnetic Properties of Dy-doped In2O3 Nanoparticles. Journal of Electronic Materials, 2021, 50, 52-58.	1.0	9
3	The Role of ZnO Nanofillers in Enhancing the Properties of PVA/PVP Blend Nanocomposites. Iranian Journal of Science and Technology, Transaction A: Science, 2021, 45, 1851-1860.	0.7	3
4	Hydrophobicity of Sr doped SnO2 thin films. AIP Conference Proceedings, 2020, , .	0.3	0
5	Room temperature ferromagnetism in Gd-doped In2O3 nanoparticles obtained by auto-combustion method. Journal of Materials Science: Materials in Electronics, 2020, 31, 7871-7879.	1.1	4
6	Characteristics of spray deposited ZnO:Ca thin films. AIP Conference Proceedings, 2020, , .	0.3	1
7	Electrical Characteristics of Spray Deposited n-ZnO:Sr/p-Si Heterojunction. Springer Proceedings in Physics, 2019, , 1117-1121.	0.1	0
8	Effect of Al doping on the carrier transport characteristics of TiO2 thin films anchored on glass substrates. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	8
9	Surface wettability studies of spray deposited ZnO:Sr thin films. AIP Conference Proceedings, 2019, , .	0.3	0
10	Effect of strontium doping on characteristics of spray deposited SnO2 thin films. AIP Conference Proceedings, 2019, , .	0.3	0
11	Visible light sensitive cupric oxide metal-semiconductor-metal photodetectors. Superlattices and Microstructures, 2018, 113, 754-760.	1.4	43
12	Optical properties of strontium doped zinc oxide thin films. AIP Conference Proceedings, 2017, , .	0.3	9
13	Enhancement of photoluminescence in Sr doped ZnO thin films prepared by spray pyrolysis. Materials Science in Semiconductor Processing, 2017, 68, 262-269.	1.9	36
14	Image contrast enhancement using DWT-SVD based masking technique. , 2017, , .		2
15	Chemical synthesis of porous web-structured CdS thin films forÂphotosensor applications. Materials Chemistry and Physics, 2015, 160, 244-250.	2.0	22
16	Optical and Structural Properties of Al-ZnO Nanocomposites. Journal of Nanoscience and Nanotechnology, 2014, 14, 3661-3666.	0.9	10
17	Image de-noising with an optimal threshold using wavelets. , 2010, , .		5
18	Electron irradiation effects on electrical and optical properties of sol-gel prepared ZnO films. Journal of Applied Physics, 2010, 108, .	1.1	38

#	Article	IF	Citations
19	Energy loss rate of hot electrons due to confined acoustic phonon modes in a freestanding quantum well structure. Journal of Applied Physics, 2009, 106, .	1.1	5
20	Sliding discrete fractional transforms. Signal Processing, 2008, 88, 247-254.	2.1	5
21	Free carrier absorption in free standing quantum well nanostructures. , 2007, , .		0
22	Signal compression using discrete fractional Fourier transform and set partitioning in hierarchical tree. Signal Processing, 2006, 86, 1976-1983.	2.1	31
23	Influence of Zn doping on electrical and optical properties of multilayered tin oxide thin films. Bulletin of Materials Science, 2006, 29, 331-337.	0.8	37
24	Confined-acoustic-phonon-assisted cyclotron resonance in free-standing semiconductor quantum well structures. Physical Review B, 2006, 73, .	1.1	21
25	Localized phonon-assisted electron tunneling in DBRT structure in quantizing magnetic field. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 18, 298-299.	1.3	0
26	Energy Loss Rate of Hot Electrons Due to Confined and Interface Optical Phonons in Semiconductor Quantum Wells in Quantizing Magnetic Field. Physica Status Solidi (B): Basic Research, 1998, 209, 37-47.	0.7	16
27	Energy Loss Rate of Hot Electrons Due to Confined and Interface Optical Phonons in Semiconductor Quantum Wells in Quantizing Magnetic Field. , 1998, 209, 37.		1
28	Energy Loss Rate of Hot Electrons Due to Confined and Interface Optical Phonons in Semiconductor Quantum Wells in Quantizing Magnetic Field. , 1998, 209, 37.		1
29	Localized phonon-assisted cyclotron resonance in GaAs/AlAs quantum wells. Physical Review B, 1994, 49, 16459-16466.	1.1	49
30	Free Carrier Absorption in Quantum Well Structures Due to Confined and Interface Optical Phonons. Physica Status Solidi (B): Basic Research, 1994, 182, 119-131.	0.7	11
31	Electron-confined LO phonon scattering rates in GaAs/AlAs quantum wells in the presence of a quantizing magnetic field. Semiconductor Science and Technology, 1993, 8, 1571-1574.	1.0	8
32	Electronâ€interface LO phonon scattering rates in quantum wells in a quantizing magnetic field. Journal of Applied Physics, 1993, 74, 4561-4564.	1.1	7
33	Free carrier absorption in semiconducting quantum wells for confined LO phonon scattering. Journal of Applied Physics, 1992, 72, 4966-4968.	1.1	28
34	Cyclotronâ€phonon resonance in quasiâ€twoâ€dimensional semiconducting structures. Journal of Applied Physics, 1991, 70, 2216-2219.	1.1	47
35	Enhanced Structural, Optical, and Electrical Properties of PVP/ZnO Nanocomposites. Iranian Journal of Science and Technology, Transaction A: Science, 0, , 1.	0.7	5