

Shanshan Chen

List of Publications by Year in descending order

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25
papers

333
citations

933447

10
h-index

839539

18
g-index

25
all docs

25
docs citations

25
times ranked

517
citing authors

#	ARTICLE	IF	CITATIONS
1	Honeycomb-like NiO/ZnO heterostructured nanorods: photochemical synthesis, characterization, and enhanced UV detection performance. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4606.	5.5	106
2	Enhanced UV detection performance using a Cu-doped ZnO nanorod array film. <i>RSC Advances</i> , 2014, 4, 31969.	3.6	40
3	ZnO homojunction UV photodetector based on solution-grown Sb-doped p-type ZnO nanorods and pure n-type ZnO nanorods. <i>RSC Advances</i> , 2015, 5, 6311-6314.	3.6	30
4	X-ray photoelectron spectroscopy study of energy-band alignments of ZnO on buffer layer Lu ₂ O ₃ . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 970-972.	2.1	26
5	N-ZnO nanorod arrays/p-GaN light-emitting diodes with graphene transparent electrode. <i>Journal of Luminescence</i> , 2019, 216, 116719.	3.1	15
6	Chitosan-Crosslinked Low Molecular Weight PEI-Conjugated Iron Oxide Nanoparticle for Safe and Effective DNA Delivery to Breast Cancer Cells. <i>Nanomaterials</i> , 2022, 12, 584.	4.1	15
7	Enhanced photoluminescence of nonpolar p-type ZnO film by surface plasmon resonance and electron transfer. <i>Optics Letters</i> , 2015, 40, 649.	3.3	14
8	High internal quantum efficiency ZnO/ZnMgO multiple quantum wells prepared on GaN/sapphire templates for ultraviolet light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6534-6538.	5.5	13
9	Enhanced internal quantum efficiency in non-polar ZnO/Zn _{0.81} Mg _{0.19} O multiple quantum wells by Pt surface plasmons coupling. <i>Optics Letters</i> , 2015, 40, 3639.	3.3	10
10	P-type single-crystalline ZnO films obtained by (Na,N) dual implantation through dynamic annealing process. <i>Journal of Crystal Growth</i> , 2018, 483, 236-240.	1.5	10
11	60-fold photoluminescence enhancement in Pt nanoparticle-coated ZnO films: role of surface plasmon coupling and conversion of non-radiative recombination. <i>Optics Letters</i> , 2015, 40, 2782.	3.3	8
12	UV electroluminescence emissions from high-quality ZnO/ZnMgO multiple quantum well active layer light-emitting diodes. <i>RSC Advances</i> , 2021, 11, 38949-38955.	3.6	7
13	Electric-field driven insulator-metal transition and tunable magnetoresistance in ZnO thin film. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	5
14	Vacancies inducing electronic and optical properties in 2D ZnO:Be/Mg. <i>Physica B: Condensed Matter</i> , 2019, 555, 47-52.	2.7	5
15	P-type single-crystalline ZnO films obtained by (N,O) dual implantation through dynamic annealing process. <i>Superlattices and Microstructures</i> , 2016, 100, 468-473.	3.1	4
16	P-type single-crystalline ZnO films obtained by (Li, N) dual implantation through dynamic annealing process. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 16215-16219.	2.2	4
17	The role of beryllium in the band structure of MgZnO: Lifting the valence band maximum. <i>Applied Physics Letters</i> , 2014, 105, 122112.	3.3	3
18	Effect of high temperature thermal treatment of (100) $\hat{1}^3$ -LiAlO ₂ substrate on epitaxial growth of ZnO films by plasma-assisted molecular beam epitaxy. <i>Thin Solid Films</i> , 2014, 564, 156-159.	1.8	3

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19	Great photoluminescence enhancement in Al-sputtered Zn _{0.78} Mg _{0.22} O films. Optics Letters, 2017, 42, 5129.	3.3	3
20	A Method of Combining the Increased Density of Acceptors with Restrained Density of Oxygen Vacancies to Fabricate p-Type Single-Crystalline ZnO Films. Journal of Electronic Materials, 2019, 48, 780-786.	2.2	3
21	Atomic Intercalation Induced Spin-Flip Transition in Bilayer CrI ₃ . Nanomaterials, 2022, 12, 1420.	4.1	3
22	Epitaxial growth and stress analysis of Zn _{1-x} Mg _x O films on (111) Si substrates. Thin Solid Films, 2017, 628, 50-53.	1.8	2
23	Photoluminescence enhancement in non-polar ZnO films through metallodielectric mediated Al surface plasmons. Optics Letters, 2018, 43, 2288.	3.3	2
24	Raman determination of carrier concentration in ZnO-based heterostructure light-emitting diodes. Optics Letters, 2019, 44, 1576.	3.3	2
25	Ti ₃ C ₂ T _x MXene Quantum Dots with Surface-Terminated Groups (-F, -OH, =O, -Cl) for Ultrafast Photonics. Nanomaterials, 2022, 12, 2043.	4.1	0