

S Chandramohan

List of Publications by Year in descending order

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21
papers

515
citations

687363

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713466

21
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docs citations

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times ranked

942
citing authors

#	ARTICLE	IF	CITATIONS
1	Band gap engineering in PbS nanostructured thin films from near-infrared down to visible range by in situ Cd-doping. <i>Journal of Alloys and Compounds</i> , 2010, 495, 234-237.	5.5	72
2	Work-function-tuned multilayer graphene as current spreading electrode in blue light-emitting diodes. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	53
3	High-energy heavy-ion induced physical and surface-chemical modifications in polycrystalline cadmium sulfide thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 94, 703-714.	2.3	48
4	The role of graphene formed on silver nanowire transparent conductive electrode in ultra-violet light emitting diodes. <i>Scientific Reports</i> , 2016, 6, 29464.	3.3	40
5	Tailored CVD graphene coating as a transparent and flexible gas barrier. <i>Scientific Reports</i> , 2016, 6, 24143.	3.3	38
6	Impact of Interlayer Processing Conditions on the Performance of GaN Light-Emitting Diode with Specific NiO _x /Graphene Electrode. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 958-964.	8.0	37
7	Trap-state-assisted white light emission from a CdSe nanocrystal integrated hybrid light-emitting diode. <i>Optics Letters</i> , 2011, 36, 802.	3.3	33
8	Rapid wafer-scale fabrication with layer-by-layer thickness control of atomically thin MoS ₂ films using gas-phase chemical vapor deposition. <i>APL Materials</i> , 2019, 7, .	5.1	31
9	Optical properties of swift ion beam irradiated CdTe thin films. <i>Thin Solid Films</i> , 2008, 516, 5508-5512.	1.8	24
10	Fabrication and charge transfer characteristics of CdS QDs sensitized vertically grown flower-like ZnO solar cells with CdSe cosensitizers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 474-479.	1.8	23
11	Performance evaluation of GaN light-emitting diodes using transferred graphene as current spreading layer. <i>Journal of Applied Physics</i> , 2014, 115, 054503.	2.5	22
12	Improved photovoltaic effect in graphene/silicon solar cell using MoO ₃ /Ag/MoO ₃ multilayer coating. <i>Materials Letters</i> , 2019, 246, 103-106.	2.6	17
13	Large-Scale Atomically Thin Monolayer 2H-MoS ₂ Field-Effect Transistors. <i>ACS Applied Nano Materials</i> , 2020, 3, 7371-7376.	5.0	14
14	Barrier-assisted vapor phase CVD of large-area MoS ₂ monolayers with high spatial homogeneity. <i>Nanoscale Advances</i> , 2020, 2, 4106-4116.	4.6	13
15	Self-Assembled Periodic Silica Nanosphere Arrays on Wet-Etched Patterned Sapphire Substrate for a High-Light-Extraction-Efficiency Light-Emitting Diode. <i>IEEE Electron Device Letters</i> , 2011, 32, 527-529.	3.9	9
16	Enhanced light output power of GaN-based light-emitting diodes by nano-rough indium tin oxide film using ZnO nanoparticles. <i>Journal of Applied Physics</i> , 2011, 109, 093116.	2.5	9
17	A comparison of various surface charge transfer hole doping of graphene grown by chemical vapour deposition. <i>Applied Surface Science</i> , 2017, 418, 258-263.	6.1	9
18	Oxygen-Driven Growth Regulation and Defect Passivation in Chemical Vapor Deposited MoS ₂ Monolayers. <i>Crystal Growth and Design</i> , 2021, 21, 6793-6801.	3.0	9

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19	Observation of dopant-dependent efficiency in chemically doped graphene/silicon solar cells and prospects for MoO _x to overcome the stability and efficiency limits. Journal of Applied Physics, 2021, 129, .	2.5	5
20	Effect of growth temperature on the morphology control and optical behavior of monolayer MoS ₂ on SiO ₂ substrate. Journal of Materials Science: Materials in Electronics, 2022, 33, 9549-9557.	2.2	5
21	Growth Behavior, nucleation control and excellent optical properties of atomically thin WS ₂ thin films processed via Gas-phase chemical vapor deposition. Applied Surface Science, 2021, 568, 150908.	6.1	4