

Sadra Sadeghi

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

750
citations

516710

16
h-index

526287

27
g-index

33
all docs

33
docs citations

33
times ranked

734
citing authors

#	ARTICLE	IF	CITATIONS
1	Past, present and future of indium phosphide quantum dots. <i>Nano Research</i> , 2022, 15, 4468-4489.	10.4	50
2	High-Performance White Light-Emitting Diodes over 150 lm/W Using Near-Unity-Emitting Quantum Dots in a Liquid Matrix. <i>ACS Photonics</i> , 2022, 9, 1304-1314.	6.6	18
3	Exciton recycling via InP quantum dot funnels for luminescent solar concentrators. <i>Nano Research</i> , 2021, 14, 1488-1494.	10.4	20
4	Bulk-heterojunction photocapacitors with high open-circuit voltage for low light intensity photostimulation of neurons. <i>Journal of Materials Chemistry C</i> , 2021, 9, 1755-1763.	5.5	7
5	Cadmium-Free and Efficient Type-II InP/ZnO/ZnS Quantum Dots and Their Application for LEDs. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 32022-32030.	8.0	41
6	Protocol on synthesis and characterization of copper-doped InP/ZnSe quantum dots as ecofriendly luminescent solar concentrators with high performance and large area. <i>STAR Protocols</i> , 2021, 2, 100664.	1.2	8
7	Strategies for improving performance, lifetime, and stability in light-emitting diodes using liquid medium. <i>Chemical Physics Reviews</i> , 2021, 2, .	5.7	6
8	Cation exchange mediated synthesis of bright Au@ZnTe core-shell nanocrystals. <i>Nanotechnology</i> , 2021, 32, 025603.	2.6	2
9	Plasmon-Coupled Photocapacitor Neuromodulators. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35940-35949.	8.0	18
10	High-Performance, Large-Area, and Ecofriendly Luminescent Solar Concentrators Using Copper-Doped InP Quantum Dots. <i>IScience</i> , 2020, 23, 101272.	4.1	32
11	Ultra-efficient and High-quality White Light-Emitting Devices using Fluorescent Proteins in Aqueous Medium. <i>Advanced Materials Technologies</i> , 2020, 5, 2000061.	5.8	10
12	White LEDs: Ultra-efficient and High-quality White Light-Emitting Devices using Fluorescent Proteins in Aqueous Medium (Adv. Mater. Technol. 6/2020). <i>Advanced Materials Technologies</i> , 2020, 5, 2070035.	5.8	2
13	Silk as a biodegradable resist for field-emission scanning probe lithography. <i>Nanotechnology</i> , 2020, 31, 435303.	2.6	1
14	Biocompatible Quantum Funnels for Neural Photostimulation. <i>Nano Letters</i> , 2019, 19, 5975-5981.	9.1	22
15	Efficient White LEDs Using Liquid-state Magic-sized CdSe Quantum Dots. <i>Scientific Reports</i> , 2019, 9, 10061.	3.3	41
16	Perovskite-Based Optoelectronic Biointerfaces for Non-Bias-Assisted Photostimulation of Cells. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900758.	3.7	7
17	Ultraefficient Green LEDs Using Quantum Dots in Liquid Matrix. <i>IEEE Transactions on Electron Devices</i> , 2019, 66, 4784-4789.	3.0	7
18	Colloidal Aluminum Antimonide Quantum Dots. <i>Chemistry of Materials</i> , 2019, 31, 4743-4747.	6.7	14

#	ARTICLE	IF	CITATIONS
19	Light-Emitting Devices Based on Type-II InP/ZnO Quantum Dots. ACS Photonics, 2019, 6, 939-946.	6.6	35
20	Ecofriendly and Efficient Luminescent Solar Concentrators Based on Fluorescent Proteins. ACS Applied Materials & Interfaces, 2019, 11, 8710-8716.	8.0	45
21	High quality quantum dots polymeric films as color converters for smart phone display technology. Materials Research Express, 2019, 6, 035015.	1.6	13
22	Silk-Based Aqueous Microcontact Printing. ACS Biomaterials Science and Engineering, 2018, 4, 1463-1470.	5.2	10
23	Unravelling radiative energy transfer in solid-state lighting. Journal of Applied Physics, 2018, 123, .	2.5	18
24	Stokes-Shift-Engineered Indium Phosphide Quantum Dots for Efficient Luminescent Solar Concentrators. ACS Applied Materials & Interfaces, 2018, 10, 12975-12982.	8.0	93
25	Quantum dot white LEDs with high luminous efficiency. Optica, 2018, 5, 793.	9.3	84
26	Effective Neural Photostimulation Using Indium-Based Type-II Quantum Dots. ACS Nano, 2018, 12, 8104-8114.	14.6	52
27	Excitonic Energy Transfer within InP/ZnS Quantum Dot Langmuir-Blodgett Assemblies. Journal of Physical Chemistry C, 2018, 122, 11616-11622.	3.1	27
28	Structural control of InP/ZnS core/shell quantum dots enables high-quality white LEDs. Nanotechnology, 2018, 29, 345605.	2.6	30
29	Eco-friendly Silk-hydrogel Lenses for LEDs. , 2018, , .		0
30	Silk-hydrogel Lenses for Light-emitting Diodes. Scientific Reports, 2017, 7, 7258.	3.3	37