Monika Kataria

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9532812/publications.pdf

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21	406	840585 11	839398 18
papers	citations	h-index	g-index

21	21	21	623
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Highly Sensitive, Visible Blind, Wearable, and Omnidirectional Near-Infrared Photodetectors. ACS Nano, 2018, 12, 9596-9607.	7.3	62
2	Transparent, Wearable, Broadband, and Highly Sensitive Upconversion Nanoparticles and Graphene-Based Hybrid Photodetectors. ACS Photonics, 2018, 5, 2336-2347.	3.2	59
3	Trapped Photons Induced Ultrahigh External Quantum Efficiency and Photoresponsivity in Hybrid Graphene/Metalâ€Organic Framework Broadband Wearable Photodetectors. Advanced Functional Materials, 2018, 28, 1804802.	7.8	59
4	Solution-Processable, Crystalline Ï€-Conjugated Two-Dimensional Polymers with High Charge Carrier Mobility. CheM, 2020, 6, 2035-2045.	5.8	44
5	A Bi-Anti-Ambipolar Field Effect Transistor. ACS Nano, 2021, 15, 8686-8693.	7.3	30
6	Self-Sufficient and Highly Efficient Gold Sandwich Upconversion Nanocomposite Lasers for Stretchable and Bio-applications. ACS Applied Materials & Interfaces, 2020, 12, 19840-19854.	4.0	21
7	Inkjetâ€Printed Random Lasers. Advanced Materials Technologies, 2018, 3, 1800214.	3.0	20
8	Self-Healing Nanophotonics: Robust and Soft Random Lasers. ACS Nano, 2019, 13, 8977-8985.	7.3	14
9	Heavy Mediator at Quantum Dot/Graphene Heterojunction for Efficient Charge Carrier Transfer: Alternative Approach for High-Performance Optoelectronic Devices. ACS Applied Materials & Interfaces, 2019, 11, 26518-26527.	4.0	14
10	Modulating Charge Separation with Hexagonal Boron Nitride Mediation in Vertical Van der Waals Heterostructures. ACS Applied Materials & Interfaces, 2020, 12, 26213-26221.	4.0	14
11	Ultra-high performance flexible piezopotential gated In_{1â^'x}Sn_xSe phototransistor. Nanoscale, 2018, 10, 18642-18650.	2.8	13
12	Ultrahighly Photosensitive and Highly Stretchable Rippled Structure Photodetectors Based on Perovskite Nanocrystals and Graphene. ACS Applied Electronic Materials, 2019, 1, 1517-1526.	2.0	11
13	Nanoscale Coreâ€“Shell Hyperbolic Structures for Ultralow Threshold Laser Action: An Efficient Platform for the Enhancement of Optical Manipulation. ACS Applied Materials & Interfaces, 2019, 11, 1163-1173.	4.0	11
14	Generation of Silver Metal Nanocluster Random Lasing. ACS Photonics, 2021, 8, 3051-3060.	3.2	9
15	Highly Efficient Photodetection in Metal Nanocluster/Graphene Heterojunctions. ACS Photonics, 2021, 8, 2955-2965.	3.2	9
16	Enhanced laser action from smart fabrics made with rollable hyperbolic metamaterials. Npj Flexible Electronics, 2020, 4, .	5.1	8
17	Enhancement of ultrafast photoluminescence from deformed graphene studied by optical localization microscopy. New Journal of Physics, 2020, 22, 013001.	1.2	5
18	A Transferrable, Adaptable, Free-Standing, and Water-Resistant Hyperbolic Metamaterial. ACS Applied Materials & Interfaces, 2021, 13, 49224-49231.	4.0	3

#	Article	IF	Citations
19	Nanoscale Core-Shell Hyperbolic Structure: A New Paradigm to Boost the Light-Matter Interaction. , 2019, , .		0
20	Visible Blind, Wearable, and Omnidirectional Near Infrared Photodetector: A Filterless Approach. , 2019, , .		0
21	Tailoring of Effective Refractive Indices: A New Paradigm towards Ultralow Excitation Power of Upconversion Nanoparticles. , 2020, , .		0