

Shikai Deng

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,516
citations

687363

13
h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

3131
citing authors

#	ARTICLE	IF	CITATIONS
1	Wrinkled, rippled and crumpled graphene: an overview of formation mechanism, electronic properties, and applications. <i>Materials Today</i> , 2016, 19, 197-212.	14.2	771
2	Strain engineering in two-dimensional nanomaterials beyond graphene. <i>Nano Today</i> , 2018, 22, 14-35.	11.9	252
3	Ultrannarrow plasmon resonances from annealed nanoparticle lattices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23380-23384.	7.1	80
4	Adhesion Energy of MoS ₂ Thin Films on Silicon-Based Substrates Determined via the Attributes of a Single MoS ₂ Wrinkle. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 7812-7818.	8.0	72
5	Lattice-Resonance Metalenses for Fully Reconfigurable Imaging. <i>ACS Nano</i> , 2019, 13, 4613-4620.	14.6	55
6	Plasmonic Photoelectrocatalysis in Copper-Platinum Core-Shell Nanoparticle Lattices. <i>Nano Letters</i> , 2021, 21, 1523-1529.	9.1	44
7	Light-Matter Interactions in Hybrid Material Metasurfaces. <i>Chemical Reviews</i> , 2022, 122, 15177-15203.	47.7	42
8	Graphene Wrinkles Enable Spatially Defined Chemistry. <i>Nano Letters</i> , 2019, 19, 5640-5646.	9.1	39
9	Strain in a single wrinkle on an MoS ₂ flake for in-plane realignment of band structure for enhanced photo-response. <i>Nanoscale</i> , 2019, 11, 504-511.	5.6	38
10	Confined, Oriented, and Electrically Anisotropic Graphene Wrinkles on Bacteria. <i>ACS Nano</i> , 2016, 10, 8403-8412.	14.6	35
11	Soft Skin Layers Enable Area-Specific, Multiscale Graphene Wrinkles with Switchable Orientations. <i>ACS Nano</i> , 2020, 14, 166-174.	14.6	34
12	WS ₂ /Silicon Heterojunction Solar Cells: A CVD Process for the Fabrication of WS ₂ Films on p-Si Substrates for Photovoltaic and Spectral Responses. <i>IEEE Nanotechnology Magazine</i> , 2017, 11, 33-38.	1.3	21
13	Increased Hierarchical Wrinklons on Stiff Metal Thin Film on a Liquid Meniscus. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 24956-24961.	8.0	18
14	Soft skin layers for reconfigurable and programmable nanowrinkles. <i>Nanoscale</i> , 2020, 12, 23920-23928.	5.6	9
15	Interfacial engineering of plasmonic nanoparticle metasurfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	6
16	(Invited) Wrinkling Graphene with Bacteria and Functionalization of MoS ₂ for Electronic Applications. <i>ECS Transactions</i> , 2014, 64, 479-489.	0.5	0