

Zhenqian Pang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9426193/publications.pdf>

Version: 2024-02-01

20
papers

1,363
citations

516710

16
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

1941
citing authors

#	ARTICLE	IF	CITATIONS
1	High temperature shockwave stabilized single atoms. <i>Nature Nanotechnology</i> , 2019, 14, 851-857.	31.5	278
2	Wrinkle-Free Single-Crystal Graphene Wafer Grown on Strain-Engineered Substrates. <i>ACS Nano</i> , 2017, 11, 12337-12345.	14.6	172
3	All-Natural, Degradable, Rolled-Up Straws Based on Cellulose Micro- and Nano-Hybrid Fibers. <i>Advanced Functional Materials</i> , 2020, 30, 1910417.	14.9	109
4	Alignment of Cellulose Nanofibers: Harnessing Nanoscale Properties to Macroscale Benefits. <i>ACS Nano</i> , 2021, 15, 3646-3673.	14.6	108
5	Highly Elastic Hydrated Cellulosic Materials with Durable Compressibility and Tunable Conductivity. <i>ACS Nano</i> , 2020, 14, 16723-16734.	14.6	98
6	Bottom-up Design of Three-Dimensional Carbon-Honeycomb with Superb Specific Strength and High Thermal Conductivity. <i>Nano Letters</i> , 2017, 17, 179-185.	9.1	95
7	Strong, Hydrostable, and Degradable Straws Based on Cellulose-Lignin Reinforced Composites. <i>Small</i> , 2021, 17, e2008011.	10.0	81
8	Mechanics Design in Cellulose-Enabled High-Performance Functional Materials. <i>Advanced Materials</i> , 2021, 33, e2002504.	21.0	77
9	Fast Growth of Strain-Free AlN on Graphene-Buffered Sapphire. <i>Journal of the American Chemical Society</i> , 2018, 140, 11935-11941.	13.7	75
10	Direct observation of the formation and stabilization of metallic nanoparticles on carbon supports. <i>Nature Communications</i> , 2020, 11, 6373.	12.8	65
11	On the influence of junction structures on the mechanical and thermal properties of carbon honeycombs. <i>Carbon</i> , 2017, 119, 278-286.	10.3	56
12	Damage-tolerant 3D-printed ceramics via conformal coating. <i>Science Advances</i> , 2021, 7, .	10.3	32
13	Defects guided wrinkling in graphene on copper substrate. <i>Carbon</i> , 2019, 143, 736-742.	10.3	27
14	Super-stretchable borophene. <i>Europhysics Letters</i> , 2016, 116, 36001.	2.0	22
15	Fabrication of Cellulose-Graphite Foam via Ion Cross-linking and Ambient-Drying. <i>Nano Letters</i> , 2022, 22, 3931-3938.	9.1	21
16	Grain boundary and curvature enhanced lithium adsorption on carbon. <i>Carbon</i> , 2016, 107, 557-563.	10.3	17
17	Mechanics of cellulose nanopaper using a scalable coarse-grained modeling scheme. <i>Cellulose</i> , 2021, 28, 3359-3372.	4.9	13
18	Giant tunability of interlayer friction in graphite via ion intercalation. <i>Extreme Mechanics Letters</i> , 2020, 35, 100616.	4.1	6

#	ARTICLE	IF	CITATIONS
19	Mechanics and strain engineering of bulk and monolayer Bi ₂ O ₂ Se. Journal of the Mechanics and Physics of Solids, 2021, 157, 104626.	4.8	6
20	Electronic band structure of carbon honeycombs. Materials Today Physics, 2018, 5, 72-77.	6.0	5