

Zheling Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1634766/publications.pdf>

Version: 2024-02-01

38
papers

2,653
citations

279487

23
h-index

344852

36
g-index

38
all docs

38
docs citations

38
times ranked

4173
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitive electromechanical sensors using viscoelastic graphene-polymer nanocomposites. <i>Science</i> , 2016, 354, 1257-1260.	6.0	676
2	Mechanisms of mechanical reinforcement by graphene and carbon nanotubes in polymer nanocomposites. <i>Nanoscale</i> , 2020, 12, 2228-2267.	2.8	222
3	Screen-Printing of a Highly Conductive Graphene Ink for Flexible Printed Electronics. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32225-32234.	4.0	174
4	Confined growth of NiCo ₂ S ₄ nanosheets on carbon flakes derived from eggplant with enhanced performance for asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2019, 366, 550-559.	6.6	170
5	Mechanisms of Liquid-Phase Exfoliation for the Production of Graphene. <i>ACS Nano</i> , 2020, 14, 10976-10985.	7.3	157
6	Interfacial Stress Transfer in Graphene Oxide Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 456-463.	4.0	144
7	Deformation of Wrinkled Graphene. <i>ACS Nano</i> , 2015, 9, 3917-3925.	7.3	143
8	Effect of the orientation of graphene-based nanoplatelets upon the Young's modulus of nanocomposites. <i>Composites Science and Technology</i> , 2016, 123, 125-133.	3.8	137
9	Quantitative determination of the spatial orientation of graphene by polarized Raman spectroscopy. <i>Carbon</i> , 2015, 88, 215-224.	5.4	80
10	Self-assembly of a layered two-dimensional molecularly woven fabric. <i>Nature</i> , 2020, 588, 429-435.	13.7	74
11	PMMA-grafted graphene nanoplatelets to reinforce the mechanical and thermal properties of PMMA composites. <i>Carbon</i> , 2020, 157, 750-760.	5.4	56
12	Electrically conductive GNP/epoxy composites for out-of-autoclave thermoset curing through Joule heating. <i>Composites Science and Technology</i> , 2018, 164, 304-312.	3.8	52
13	Negative Gauge Factor Piezoresistive Composites Based on Polymers Filled with MoS ₂ Nanosheets. <i>ACS Nano</i> , 2019, 13, 6845-6855.	7.3	52
14	Hybrid poly(ether ether ketone) composites reinforced with a combination of carbon fibres and graphene nanoplatelets. <i>Composites Science and Technology</i> , 2019, 175, 60-68.	3.8	52
15	Effect of functional groups on the agglomeration of graphene in nanocomposites. <i>Composites Science and Technology</i> , 2018, 163, 116-122.	3.8	51
16	Anomalous twin boundaries in two dimensional materials. <i>Nature Communications</i> , 2018, 9, 3597.	5.8	46
17	Nanocomposites of graphene nanoplatelets in natural rubber: microstructure and mechanisms of reinforcement. <i>Journal of Materials Science</i> , 2017, 52, 9558-9572.	1.7	41
18	Strain engineering in monolayer WS ₂ and WS ₂ nanocomposites. <i>2D Materials</i> , 2020, 7, 045022.	2.0	40

#	ARTICLE	IF	CITATIONS
19	A single step strategy to fabricate graphene fibres via electrochemical exfoliation for micro-supercapacitor applications. <i>Electrochimica Acta</i> , 2019, 299, 645-653.	2.6	35
20	Interfacial stress transfer in strain engineered wrinkled and folded graphene. <i>2D Materials</i> , 2019, 6, 045026.	2.0	32
21	Self-supported NiMoO ₄ @CoMoO ₄ core/sheath nanowires on conductive substrates for all-solid-state asymmetric supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2019, 846, 113153.	1.9	29
22	Fabrication of a Graphene-Based Paper-Like Electrode for Flexible Solid-State Supercapacitor Devices. <i>Journal of the Electrochemical Society</i> , 2018, 165, A3481-A3486.	1.3	27
23	The role of interlayer adhesion in graphene oxide upon its reinforcement of nanocomposites. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150283.	1.6	23
24	Realizing the theoretical stiffness of graphene in composites through confinement between carbon fibers. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 113, 311-317.	3.8	22
25	Reinforcement of Polymer-Based Nanocomposites by Thermally Conductive and Electrically Insulating Boron Nitride Nanotubes. <i>ACS Applied Nano Materials</i> , 2020, 3, 364-374.	2.4	18
26	The taxonomy of graphite nanoplatelets and the influence of nanocomposite processing. <i>Carbon</i> , 2019, 142, 99-106.	5.4	16
27	Interlayer and interfacial stress transfer in hBN nanosheets. <i>2D Materials</i> , 2021, 8, 035058.	2.0	13
28	Fundamental Insights into Graphene Strain Sensing. <i>Nano Letters</i> , 2021, 21, 833-839.	4.5	13
29	Mechanisms of reinforcement of PVA-Based nanocomposites by hBN nanosheets. <i>Composites Science and Technology</i> , 2022, 218, 109131.	3.8	10
30	Quantification of gas permeability of epoxy resin composites with graphene nanoplatelets. <i>Composites Science and Technology</i> , 2019, 184, 107875.	3.8	9
31	Interfacial energy dissipation in bio-inspired graphene nanocomposites. <i>Composites Science and Technology</i> , 2022, 219, 109216.	3.8	9
32	Printable and Wearable Graphene-Based Strain Sensor With High Sensitivity for Human Motion Monitoring. <i>IEEE Sensors Journal</i> , 2022, 22, 13937-13944.	2.4	7
33	Electronic devices based on solution-processed two-dimensional materials. , 2020, , 351-384.		6
34	Understanding the dual function of oxygen-containing groups in fabricating PANi electrodes and Zn-PANi battery. <i>Electrochimica Acta</i> , 2022, 427, 140836.	2.6	6
35	Controlling and Monitoring Crack Propagation in Monolayer Graphene Single Crystals. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	4
36	The coplanar graphene oxide/graphite heterostructure-based electrodes for electrochemical supercapacitors. <i>Carbon</i> , 2022, 197, 163-170.	5.4	4

#	ARTICLE	IF	CITATIONS
37	Long-range oriented graphene-like nanosheets with corrugated structure. <i>Chemical Communications</i> , 2018, 54, 13543-13546.	2.2	3
38	Twist and Bend in Van Der Waals Materials and 2D Stacked Heterostructures. <i>Microscopy and Microanalysis</i> , 2020, 26, 856-858.	0.2	0