Bo Li

List of Publications by Year
in descending order

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48 papers	4,986 citations	249298 26 h-index	232693 48 g-index
50 all docs	50 docs citations	50 times ranked	10745 citing authors

#	Article	IF	Citations
1	Atomic Edge-Guided Polyethylene Crystallization on Monolayer Two-Dimensional Materials. Macromolecules, 2022, 55, 559-567.	2.2	6
2	Friction between MXenes and other two-dimensional materials at the nanoscale. Carbon, 2022, 196, 774-782.	5.4	17
3	Mechanical Characterization of Stacked Singleâ€Crystal of Polyethylene and Monolayer MoSe₂. Advanced Functional Materials, 2022, 32, .	7.8	2
4	A physics-based statistical model for nanoparticle deposition. Journal of Applied Physics, 2021, 129, 065303.	1.1	2
5	Ultrafast assembly and healing of nanomaterial networks on polymer substrates for flexible hybrid electronics. Applied Materials Today, 2021, 22, 100956.	2.3	7
6	Cavitation causes brain injury. Physics of Fluids, 2021, 33, .	1.6	11
7	Recent progress in solution assembly of 2D materials for wearable energy storage applications. Journal of Energy Chemistry, 2021, 62, 27-42.	7.1	29
8	Adhesion Between MXenes and Other 2D Materials. ACS Applied Materials & Interfaces, 2021, 13, 4682-4691.	4.0	39
9	Highly Robust, Flexible, and Largeâ€Scale 3Dâ€Metallized Sponge for Highâ€Performance Electromagnetic Interference Shielding. Advanced Materials Technologies, 2020, 5, 1900761.	3.0	53
10	Synthesis and recent applications of MXenes with Mo, V or Nb transition metals: a review. Tungsten, 2020, 2, 176-193.	2.0	20
11	Fluid-Guided CVD Growth for Large-Scale Monolayer Two-Dimensional Materials. ACS Applied Materials & Interfaces, 2020, 12, 26342-26349.	4.0	14
12	Large cyclic deformability of microcellular TPU/MWCNT composite film with conductive stability, and electromagnetic interference shielding and self-cleaning performance. Composites Science and Technology, 2020, 197, 108247.	3.8	26
13	Fluid-Assisted Sorted Assembly of Graphene on Polymer. Langmuir, 2020, 36, 5608-5617.	1.6	3
14	Sono-Assisted Surface Energy Driven Assembly of 2D Materials on Flexible Polymer Substrates: A Green Assembly Method Using Water. ACS Applied Materials & Interfaces, 2019, 11, 33458-33464.	4.0	15
15	A Highly Sensitive and Stretchable Yarn Strain Sensor for Human Motion Tracking Utilizing a Wrinkle-Assisted Crack Structure. ACS Applied Materials & Interfaces, 2019, 11, 36052-36062.	4.0	141
16	Highly Conductive and Machineâ€Washable Textiles for Efficient Electromagnetic Interference Shielding. Advanced Materials Technologies, 2019, 4, 1800503.	3.0	101
17	Intrinsic coherence time of trions in monolayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>MoSe</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mo></mml:mo><mml:msub><mml:mi>WSe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> measured via two-dimensional coherent spectroscopy. Physical Review Materials, 2018, 2, .	2.4	17
18	Direct growth of MoS ₂ single crystals on polyimide substrates. 2D Materials, 2017, 4, 021028.	2.0	39

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19	High Strain Tolerant EMI Shielding Using Carbon Nanotube Network Stabilized Rubber Composite. Advanced Materials Technologies, 2017, 2, 1700078.	3.0	153
20	Synthesis of large-scale atomic-layer SnS2 through chemical vapor deposition. Nano Research, 2017, 10, 2386-2394.	5.8	124
21	Preparation of Monolayer MoS2 Quantum Dots using Temporally Shaped Femtosecond Laser Ablation of Bulk MoS2 Targets in Water. Scientific Reports, 2017, 7, 11182.	1.6	167
22	A two-dimensional Fe-doped SnS2 magnetic semiconductor. Nature Communications, 2017, 8, 1958.	5.8	315
23	Macroscopic Alignment and Assembly of Ï€-Conjugated Oligopeptides Using Colloidal Microchannels. ACS Applied Materials & Interfaces, 2017, 9, 41586-41593.	4.0	13
24	Meniscus-assisted solution printing of large-grained perovskite films for high-efficiency solar cells. Nature Communications, 2017, 8, 16045.	5.8	359
25	Synthesis of Millimeterâ€Scale Transition Metal Dichalcogenides Single Crystals. Advanced Functional Materials, 2016, 26, 2009-2015.	7.8	152
26	Mechanical characterization of suspended strips of meshed single-walled carbon nanotubes. Journal of Applied Physics, 2016, 119, 045305.	1.1	2
27	Wafer-scale monodomain films of spontaneously aligned single-walled carbon nanotubes. Nature Nanotechnology, 2016, 11, 633-638.	15.6	292
28	Solidâ€“Vapor Reaction Growth of Transitionâ€Metal Dichalcogenide Monolayers. Angewandte Chemie - International Edition, 2016, 55, 10656-10661.	7.2	27
29	Solidâ€“Vapor Reaction Growth of Transitionâ€Metal Dichalcogenide Monolayers. Angewandte Chemie, 2016, 128, 10814-10819.	1.6	17
30	Surface functionalization of two-dimensional metal chalcogenides by Lewis acidâ€“base chemistry. Nature Nanotechnology, 2016, 11, 465-471.	15.6	197
31	Printing Highly Controlled Suspended Carbon Nanotube Network on Micro-patterned Superhydrophobic Flexible Surface. Scientific Reports, 2015, 5, 15908.	1.6	15
32	Chemical Vapor Deposition of Monolayer Rhenium Disulfide (ReS₂). Advanced Materials, 2015, 27, 4640-4648.	11.1	203
33	Flowâ€Enabled Selfâ€Assembly of Largeâ€Scale Aligned Nanowires. Angewandte Chemie - International Edition, 2015, 54, 4250-4254.	7.2	65
34	Electrochemical synthesis of luminescent MoS₂ quantum dots. Chemical Communications, 2015, 51, 6293-6296.	2.2	204
35	Two-Step Growth of Two-Dimensional WSe₂/MoSe₂ Heterostructures. Nano Letters, 2015, 15, 6135-6141.	4.5	479
36	Scalable Transfer of Suspended Two-Dimensional Single Crystals. Nano Letters, 2015, 15, 5089-5097.	4.5	38

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37	Optoelectronic Memory Using Two-Dimensional Materials. Nano Letters, 2015, 15, 259-265.	4.5	163
38	Structured Reduced Graphene Oxide/Polymer Composites for Ultraâ€Efficient Electromagnetic Interference Shielding. Advanced Functional Materials, 2015, 25, 559-566.	7.8	1,007
39	Boron Nitrideâ€“Graphene Nanocapacitor and the Origins of Anomalous Size-Dependent Increase of Capacitance. Nano Letters, 2014, 14, 1739-1744.	4.5	120
40	Voltage-switchable photocurrents in single-walled carbon nanotubeâ€“silicon junctions for analog and digital optoelectronics. Nature Photonics, 2014, 8, 239-243.	15.6	61
41	Carbon Nanotube Core Graphitic Shell Hybrid Fibers. ACS Nano, 2013, 7, 10971-10977.	7.3	18
42	Highly Organized Two- and Three-Dimensional Single-Walled Carbon Nanotubeâ€“Polymer Hybrid Architectures. ACS Nano, 2011, 5, 4826-4834.	7.3	26
43	Ultrathin SWNT Films with Tunable, Anisotropic Transport Properties. Advanced Functional Materials, 2011, 21, 1810-1815.	7.8	34
44	Topological Transitions in Carbon Nanotube Networks via Nanoscale Confinement. ACS Nano, 2010, 4, 4142-4148.	7.3	24
45	Easy Fabrication and Resistivity-Temperature Behavior of an Anisotropically Conductive Carbon Nanotubeâ^'Polymer Composite. Journal of Physical Chemistry B, 2010, 114, 689-696.	1.2	54
46	Highly Aligned Scalable Platinum-Decorated Single-Wall Carbon Nanotube Arrays for Nanoscale Electrical Interconnects. ACS Nano, 2009, 3, 2818-2826.	7.3	57
47	Manipulating the conductivity of carbonâ€blackâ€filled immiscible polymer composites by insulating nanoparticles. Journal of Applied Polymer Science, 2008, 110, 3073-3079.	1.3	12
48	Morphological manipulation of carbon nanotube/polycarbonate/polyethylene composites by dynamic injection packing molding. Polymer, 2006, 47, 4497-4500.	1.8	46