Bo Li

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2111267/publications.pdf

Version: 2024-02-01

48	2,794	257450	189892
papers	citations	24 h-index	50 g-index

53	53	53	5071
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanostructure Dependence of Field-Effect Mobility in Regioregular Poly(3-hexylthiophene) Thin Film Field Effect Transistors. Journal of the American Chemical Society, 2006, 128, 3480-3481.	13.7	439
2	Meniscus-assisted solution printing of large-grained perovskite films for high-efficiency solar cells. Nature Communications, 2017, 8, 16045.	12.8	359
3	Wafer-scale monodomain films of spontaneously aligned single-walled carbon nanotubes. Nature Nanotechnology, 2016, 11, 633-638.	31.5	292
4	Polymerâ€Templated Formation of Polydopamineâ€Coated SnO₂ Nanocrystals: Anodes for Cyclable Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2017, 56, 1869-1872.	13.8	260
5	In-Situ Crafting of ZnFe₂O₄ Nanoparticles Impregnated within Continuous Carbon Network as Advanced Anode Materials. ACS Nano, 2016, 10, 2728-2735.	14.6	192
6	Organicâ€“Inorganic Nanocomposites via Placing Monodisperse Ferroelectric Nanocrystals in Direct and Permanent Contact with Ferroelectric Polymers. Journal of the American Chemical Society, 2015, 137, 11760-11767.	13.7	111
7	Crafting Threads of Diblock Copolymer Micelles via Flow-Enabled Self-Assembly. ACS Nano, 2014, 8, 2936-2942.	14.6	89
8	Engineering Halide Perovskite Crystals through Precursor Chemistry. Small, 2019, 15, e1903613.	10.0	82
9	Largeâ€Scale Hierarchically Structured Conjugated Polymer Assemblies with Enhanced Electrical Conductivity. Angewandte Chemie - International Edition, 2013, 52, 2564-2568.	13.8	79
10	Flowâ€Enabled Selfâ€Assembly of Largeâ€Scale Aligned Nanowires. Angewandte Chemie - International Edition, 2015, 54, 4250-4254.	13.8	65
11	Drying-Mediated Assembly of Colloidal Nanoparticles into Large-Scale Microchannels. ACS Nano, 2013, 7, 6079-6085.	14.6	64
12	Macroscopic Highly Aligned DNA Nanowires Created by Controlled Evaporative Self-Assembly. ACS Nano, 2013, 7, 4326-4333.	14.6	63
13	An Unconventional Route to Hierarchically Ordered Block Copolymers on a Gradient Patterned Surface through Controlled Evaporative Selfâ€Assembly. Angewandte Chemie - International Edition, 2013, 52, 1122-1127.	13.8	56
14	A Simple Route to Hierarchically Assembled Micelles and Inorganic Nanoparticles. Angewandte Chemie - International Edition, 2012, 51, 12588-12592.	13.8	50
15	Robust Route to Unimolecular Coreâ€“Shell and Hollow Polymer Nanoparticles. Chemistry of Materials, 2014, 26, 6058-6067.	6.7	42
16	Harnessing Colloidal Crack Formation by Flowâ€Enabled Selfâ€Assembly. Angewandte Chemie - International Edition, 2017, 56, 4554-4559.	13.8	38
17	Ab Initio Simulation of Charge Transfer at the Semiconductor Quantum Dot/TiO₂ Interface in Quantum Dotâ€Sensitized Solar Cells. Particle and Particle Systems Characterization, 2015, 32, 80-90.	2.3	33
18	Accurately Localizing Multiple Nanoparticles in a Multishelled Matrix Through Shellâ€toâ€Core Evolution for Maximizing Energyâ€Storage Capability. Advanced Materials, 2022, 34, e2200206.	21.0	32

#	Article	IF	Citations
19	Charge Transport and Quantum Interference Effects in Oxazole-Terminated Conjugated Oligomers. Journal of the American Chemical Society, 2019, 141, 16079-16084.	13.7	31
20	Movement patterns of ellipsoidal particle in abrasive flow machining. Journal of Materials Processing Technology, 2009, 209, 6048-6056.	6.3	30
21	Convenient and Robust Route to Photoswitchable Hierarchical Liquid Crystal Polymer Stripes via Flow-Enabled Self-Assembly. ACS Applied Materials & Interfaces, 2018, 10, 4961-4970.	8.0	29
22	Concentration-Driven Assembly and Solâ€“Gel Transition of Ï€-Conjugated Oligopeptides. ACS Central Science, 2017, 3, 986-994.	11.3	28
23	Polymerâ€Templated Formation of Polydopamineâ€Coated SnO₂ Nanocrystals: Anodes for Cyclable Lithiumâ€Ion Batteries. Angewandte Chemie, 2017, 129, 1895-1898.	2.0	26
24	Nonequilibrium Self-Assembly of Ï€-Conjugated Oligopeptides in Solution. ACS Applied Materials & Interfaces, 2017, 9, 3977-3984.	8.0	26
25	Intrachain Charge Transport through Conjugated Donorâ€“Acceptor Oligomers. ACS Applied Electronic Materials, 2019, 1, 7-12.	4.3	25
26	Unconventional seed-mediated growth of ultrathin Au nanowires in aqueous solution. Chemical Science, 2015, 6, 6349-6354.	7.4	23
27	Guided Organization of Î»â€ÐNA into Microring Arrays from Liquid Capillary Bridges. Small, 2011, 7, 1641-1646.	10.0	21
28	Organic Templates for Inorganic Nanocrystal Growth. Energy and Environmental Materials, 2019, 2, 38-54.	12.8	21
29	Coating conductive polypyrrole layers on multiple shells of hierarchical SnO2 spheres and their enhanced cycling stability as lithium-ion battery anode. Applied Surface Science, 2022, 586, 152836.	6.1	21
30	High-speed atomic force microscope imaging: Adaptive multiloop mode. Physical Review E, 2014, 90, 012405.	2.1	19
31	Macroscopic Alignment and Assembly of Ï€-Conjugated Oligopeptides Using Colloidal Microchannels. ACS Applied Materials & Interfaces, 2017, 9, 41586-41593.	8.0	13
32	Characterizing intermolecular interactions in redox-active pyridinium-based molecular junctions. Journal of Electroanalytical Chemistry, 2020, 875, 114070.	3.8	13
33	Transition between Nonresonant and Resonant Charge Transport in Molecular Junctions. Nano Letters, 2021, 21, 8340-8347.	9.1	12
34	Continuous crafting of uniform colloidal nanocrystals using an inert-gas-driven microflow reactor. Nanoscale, 2015, 7, 9731-9737.	5.6	10
35	A facile and low-cost route to high-aspect-ratio microstructures on silicon via a judicious combination of flow-enabled self-assembly and metal-assisted chemical etching. Journal of Materials Chemistry C, 2016, 4, 8953-8961.	5.5	9
36	Computer simulation of the two-body abrasion process modeling the particle as a paraboloid of revolution. Journal of Materials Processing Technology, 2009, 209, 6124-6133.	6.3	8

#	Article	IF	Citations
37	Variance of Particle Size: Another Monitor to Evaluate Abrasive Wear. Tribology Letters, 2014, 55, 465-472.	2.6	7
38	Ultrafast assembly and healing of nanomaterial networks on polymer substrates for flexible hybrid electronics. Applied Materials Today, 2021, 22, 100956.	4.3	7
39	A novel rapid prototyping system for expandable polystyrene. Rapid Prototyping Journal, 2011, 17, 17-27.	3.2	4
40	Harnessing Colloidal Crack Formation by Flowâ€Enabled Selfâ€Assembly. Angewandte Chemie, 2017, 129, 4625-4630.	2.0	4
41	Fluid-Assisted Sorted Assembly of Graphene on Polymer. Langmuir, 2020, 36, 5608-5617.	3.5	3
42	Titelbild: Harnessing Colloidal Crack Formation by Flowâ€Enabled Selfâ€Assembly (Angew. Chem. 16/2017). Angewandte Chemie, 2017, 129, 4429-4429.	2.0	2
43	Solubility and activity of a phosphinosulfonate palladium catalyst in water with different surfactants. Polymer Chemistry, 2019, 10, 1988-1992.	3.9	2
44	In Situ Photophysical Characterization of Ï€-Conjugated Oligopeptides Assembled via Continuous Flow Processing. Langmuir, 2019, 35, 10947-10957.	3.5	1
45	Directing Convection to Pattern Thin Polymer Films: Coffee Rings. , 2015, , 43-71.		1
46	Kinetics of Surface Nanocrystallization for Hadfield Steel in Shot Peening. Advanced Science Letters, 2011, 4, 1862-1866.	0.2	1
47	A low-cost fabrication route for silicon microchannels and microgratings with flow-enabled polymer self-assembly patterning and wet etching. , 2015, , .		0
48	Adaptive Multi-Loop Mode Atomic Force Microscope Imaging. , 2014, , .		0