Siowling Soh

List of Publications by Year in descending order

34 papers	1,582 citations	361413 20 h-index	395702 33 g-index
35 all docs	35 docs citations	35 times ranked	2397 citing authors

#	Article	IF	Citations
1	Drug delivery systems for programmed and on-demand release. Advanced Drug Delivery Reviews, 2018, 132, 104-138.	13.7	229
2	The Pathway to Intelligence: Using Stimuliâ€Responsive Materials as Building Blocks for Constructing Smart and Functional Systems. Advanced Materials, 2019, 31, e1804540.	21.0	169
3	Stimuliâ€Responsive Surfaces for Tunable and Reversible Control of Wettability. Advanced Materials, 2015, 27, 4062-4068.	21.0	119
4	Controlling Surface Charge Generated by Contact Electrification: Strategies and Applications. Advanced Materials, 2018, 30, e1802405.	21.0	117
5	Printing Tablets with Fully Customizable Release Profiles for Personalized Medicine. Advanced Materials, 2015, 27, 7847-7853.	21.0	116
6	Is Water Necessary for Contact Electrification?. Angewandte Chemie - International Edition, 2011, 50, 6766-6770.	13.8	101
7	Rationalizing the Triboelectric Series of Polymers. Chemistry of Materials, 2019, 31, 1473-1478.	6.7	80
8	Contact De-electrification of Electrostatically Charged Polymers. Journal of the American Chemical Society, 2012, 134, 20151-20159.	13.7	72
9	Using the gravitational energy of water to generate power by separation of charge at interfaces. Chemical Science, 2015, 6, 3347-3353.	7.4	64
10	High-Sensitivity Measurement of Density by Magnetic Levitation. Analytical Chemistry, 2016, 88, 2666-2674.	6.5	60
11	Correlating Material Transfer and Charge Transfer in Contact Electrification. Journal of Physical Chemistry C, 2018, 122, 16154-16160.	3.1	54
12	Tilted Magnetic Levitation Enables Measurement of the Complete Range of Densities of Materials with Low Magnetic Permeability. Journal of the American Chemical Society, 2016, 138, 1252-1257.	13.7	52
13	Dynamic internal gradients control and direct electric currents within nanostructured materials. Nature Nanotechnology, 2011, 6, 740-746.	31.5	48
14	Designing Non-charging Surfaces from Non-conductive Polymers. Advanced Materials, 2016, 28, 3024-3029.	21.0	35
15	Solidâ€toâ€Liquid Charge Transfer for Generating Droplets with Tunable Charge. Angewandte Chemie - International Edition, 2016, 55, 9956-9960.	13.8	31
16	Charging of Multiple Interacting Particles by Contact Electrification. Journal of the American Chemical Society, 2014, 136, 13348-13354.	13.7	28
17	Universal Nature-Inspired Coatings for Preparing Noncharging Surfaces. ACS Applied Materials & Interfaces, 2017, 9, 32220-32226.	8.0	25
18	Soft stimuli-responsive grippers and machines with high load-to-weight ratios. Materials Horizons, 2019, 6, 160-168.	12.2	24

#	Article	IF	Citations
19	Performing Logical Operations with Stimuliâ€Responsive Building Blocks. Advanced Materials, 2017, 29, 1606483.	21.0	23
20	Eco-Friendly, Direct Deposition of Metal Nanoparticles on Graphite for Electrochemical Energy Conversion and Storage. ACS Applied Materials & Interfaces, 2019, 11, 36525-36534.	8.0	23
21	Anomalous Charging Behavior of Inorganic Materials. Journal of Physical Chemistry C, 2018, 122, 11414-11421.	3.1	16
22	Layer-by-layer films for tunable and rewritable control of contact electrification. Soft Matter, 2013, 9, 10233.	2.7	15
23	The Relationship between Static Charge and Shape. ACS Central Science, 2020, 6, 704-714.	11.3	14
24	Reversible and Continuously Tunable Control of Charge of Close Surfaces. Journal of Physical Chemistry Letters, 2017, 8, 6142-6147.	4.6	9
25	Metal Nanowire-Based Hybrid Electrodes Exhibiting High Charge/Discharge Rates and Long-Lived Electrocatalysis. ACS Applied Materials & Interfaces, 2017, 9, 36350-36357.	8.0	8
26	Charging Organic Liquids by Static Charge. Journal of the American Chemical Society, 2020, 142, 21004-21016.	13.7	8
27	Performing calculus: Asymmetric adaptive stimuli-responsive material for derivative control. Science Advances, 2021, 7, .	10.3	6
28	Solidâ€toâ€Liquid Charge Transfer for Generating Droplets with Tunable Charge. Angewandte Chemie, 2016, 128, 10110-10114.	2.0	5
29	Nonconductive Noncharging Composites: Tunable and Stretchable Materials for Adaptive Prevention of Charging by Contact Electrification. ACS Applied Materials & Interfaces, 2020, 12, 5274-5285.	8.0	5
30	Graphiteâ€Aligned Ni/Ni(OH)₂ Nanowireâ€Based Aqueous Asymmetric Supercapacitors Exhibiting Excellent Cycle Stability, High Rate Performance, and Wide Operation Voltage. ChemistrySelect, 2019, 4, 13543-13550.	1.5	4
31	Stimuli-responsive attachment for enabling the targeted release of carriers. Materials Chemistry Frontiers, 2021, 5, 4317-4326.	5.9	3
32	Signal Amplification: A Sharp Impermeableâ€Permeable Transition for Highly Sensitive Lowâ€Cost Detection. Advanced Materials Technologies, 2018, 3, 1800042.	5.8	2
33	Selective Reduction Sites on Commercial Graphite Foil for Building Multimetallic Nanoâ€Assemblies for Energy Conversion. ChemistrySelect, 2020, 5, 13269-13277.	1.5	0
34	Self-Assembly of Graphene Oxide Flakes for Smart and Multifunctional Coating with Reversible Formation of Wrinkling Patterns. Soft Matter, 2022, , .	2.7	0