

# Hanyang Gao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3984895/publications.pdf>

Version: 2024-02-01

23  
papers

903  
citations

567281

15  
h-index

642732

23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1399  
citing authors

#	ARTICLE	IF	CITATIONS
1	Confined interfacial assembly of controlled Li <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> building blocks and Si nanoparticles in Lithium-ion batteries. <i>Energy Storage Materials</i> , 2022, 44, 239-249.	18.0	13
2	The influence of pressure on the acoustic cavitation in saturated CO <sub>2</sub> -expanded N, N-dimethylformamide. <i>Ultrasonics Sonochemistry</i> , 2022, 83, 105934.	8.2	3
3	A review on particle assembly in standing wave acoustic field. <i>Journal of Nanoparticle Research</i> , 2022, 24, 1.	1.9	6
4	Ultrasonic cavitation in CO <sub>2</sub> -expanded N, N-dimethylformamide (DMF). <i>Ultrasonics Sonochemistry</i> , 2021, 78, 105713.	8.2	4
5	Facile preparation of core-shell Si@Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> nanocomposite as large-capacity lithium-ion battery anode. <i>Journal of Energy Chemistry</i> , 2020, 40, 89-98.	12.9	37
6	High internal phase Pickering emulsions stabilized with graphene oxide in supercritical CO <sub>2</sub> system. <i>Journal of Supercritical Fluids</i> , 2020, 155, 104654.	3.2	8
7	Silicon-Based Self-Assemblies for High Volumetric Capacity Li-Ion Batteries via Effective Stress Management. <i>Advanced Functional Materials</i> , 2020, 30, 2002980.	14.9	76
8	Experimental test and curve fitting of creep recovery characteristics of modified graphene oxide natural rubber and its relationship with temperature. <i>Polymer Testing</i> , 2020, 87, 106509.	4.8	21
9	Core-shell structured Si@C nanocomposite for high-performance Li-ion batteries with a highly viscous gel as precursor. <i>Journal of Power Sources</i> , 2019, 438, 227001.	7.8	41
10	Preparation of a Highly Stable Dispersion of Graphene in Water with the Aid of Graphene Oxide. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 17842-17849.	3.7	12
11	Hyperelastic characteristics of graphene natural rubber composites and reinforcement and toughening mechanisms at multi-scale. <i>Composite Structures</i> , 2019, 228, 111365.	5.8	23
12	Highly sensitive natural rubber/pristine graphene strain sensor prepared by a simple method. <i>Composites Part B: Engineering</i> , 2019, 171, 138-145.	12.0	64
13	Infusion of graphene in natural rubber matrix to prepare conductive rubber by ultrasound-assisted supercritical CO <sub>2</sub> method. <i>Chemical Engineering Journal</i> , 2019, 368, 1013-1021.	12.7	23
14	Scalable preparation of defect-rich free-standing TiO <sub>2</sub> sheets with visible-light photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2018, 226, 337-345.	20.2	33
15	A flexible mesoporous Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> -rGO nanocomposite film as free-standing anode for high rate lithium ion batteries. <i>Journal of Power Sources</i> , 2018, 375, 59-67.	7.8	57
16	Production of graphene quantum dots by ultrasound-assisted exfoliation in supercritical CO <sub>2</sub> /H <sub>2</sub> O medium. <i>Ultrasonics Sonochemistry</i> , 2017, 37, 120-127.	8.2	57
17	Scalable synthesis of hierarchical hollow Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> microspheres assembled by zigzag-like nanosheets for high rate lithium-ion batteries. <i>Journal of Power Sources</i> , 2017, 340, 263-272.	7.8	65
18	Preparation of waterborne dispersions of epoxy resin by ultrasonic-assisted supercritical CO <sub>2</sub> nanoemulsification technique. <i>Ultrasonics Sonochemistry</i> , 2017, 39, 520-527.	8.2	11

#	ARTICLE	IF	CITATIONS
19	Large-scale graphene production by ultrasound-assisted exfoliation of natural graphite in supercritical CO <sub>2</sub> /H <sub>2</sub> O medium. <i>Chemical Engineering Journal</i> , 2017, 308, 872-879.	12.7	70
20	Graphene production via supercritical fluids. <i>RSC Advances</i> , 2016, 6, 10132-10143.	3.6	38
21	Novel Process of Removal of Sulfur Dioxide by Aqueous Ammonia-Fulvic Acid Solution with Ammonia Escape Inhibition. <i>Energy &amp; Fuels</i> , 2016, 30, 3205-3218.	5.1	19
22	Growth Mechanism and Influences from Kinetic Factors on Carbon Materials with Cu and Silica Substrates during Atmospheric Pressure Chemical Vapor Deposition. <i>Journal of Physical Chemistry C</i> , 2013, 117, 25175-25184.	3.1	9
23	Raman Spectroscopic Characterization of Graphene. <i>Applied Spectroscopy Reviews</i> , 2010, 45, 369-407.	6.7	213