

# Tiemin Li

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3152715/publications.pdf>

Version: 2024-02-01

63  
papers

1,933  
citations

257101

24  
h-index

264894

42  
g-index

63  
all docs

63  
docs citations

63  
times ranked

1691  
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of electrocatalytic treatment of antibiotic pollutants in wastewater. <i>Catalysis Reviews - Science and Engineering</i> , 2023, 65, 569-619.	5.7	30
2	Aqueous-based, high-density nanoporous carbon xerogels with high specific surface area for supercapacitors. <i>Journal of Porous Materials</i> , 2022, 29, 87-95.	1.3	5
3	An overview of high-performance phthalonitrile resins: fabrication and electronic applications. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2925-2937.	2.7	24
4	Magneto-resistive and piezoresistive polyaniline nanoarrays in-situ polymerized surrounding magnetic graphene aerogel. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 1003-1016.	9.9	72
5	Ultrablack Poly(vinyl alcohol)@Graphite Composite Xerogel with Vertically Arranged Pores for Highly Efficient Solar Steam Generation and Desalination. <i>Advanced Energy and Sustainability Research</i> , 2022, 3, .	2.8	6
6	Over 11 kg m <sup>-2</sup> h <sup>-1</sup> Evaporation Rate Achieved by Cooling Metal@Organic Framework Foam with Pine Needle-Like Hierarchical Structures to Subambient Temperature. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 10257-10266.	4.0	48
7	A Simple Strategy for Constructing Hierarchical Composite Electrodes of PPy@Posttreated 3D-Printed Carbon Aerogel with Ultrahigh Areal Capacitance over 8000 mF cm <sup>-2</sup> . <i>Advanced Materials Technologies</i> , 2022, 7, .	3.0	7
8	Epsilon@Negative Carbon Aerogels with State Transition from Dielectric to Degenerate Semiconductor. <i>Advanced Electronic Materials</i> , 2021, 7, 2000877.	2.6	25
9	Morphology analysis of tracks in the aerogels impacted by hypervelocity irregular particles. <i>High Power Laser Science and Engineering</i> , 2021, 9, .	2.0	25
10	Adjustable magneto-resistance in semiconducting carbonized phthalonitrile resin. <i>Chemical Communications</i> , 2021, 57, 9894-9897.	2.2	4
11	Versatile Direct Writing of Aerogel-Based Sol-Gel Inks. <i>Langmuir</i> , 2021, 37, 2129-2139.	1.6	27
12	Slow-sound propagation in aerogel-inspired hybrid structure with backbone and dangling branch. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 248-256.	9.9	27
13	Biomimetic Ultra-Black Sponge Derived from Loofah and Co-MOF for Long-Term Solar-Powered Vapor Generation and Desalination. <i>Solar Rrl</i> , 2021, 5, 2000817.	3.1	28
14	Nanoporous Carbon Aerogels for Laser-Printed Wearable Sensors. <i>ACS Applied Nano Materials</i> , 2021, 4, 6796-6804.	2.4	13
15	Nanocellulose nanocomposite aerogel towards efficient oil and organic solvent adsorption. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 459-468.	9.9	123
16	Ultra-Black Pinecone for Efficient Solar Steam Generation under Omnidirectional Illumination. <i>Advanced Sustainable Systems</i> , 2021, 5, 2000244.	2.7	16
17	In Vivo Effect of Resveratrol-Loaded Solid Lipid Nanoparticles to Relieve Physical Fatigue for Sports Nutrition Supplements. <i>Molecules</i> , 2020, 25, 5302.	1.7	12
18	Artificial Trees Inspired by <i>Monstera</i> for Highly Efficient Solar Steam Generation in Both Normal and Weak Light Environments. <i>Advanced Functional Materials</i> , 2020, 30, 2005513.	7.8	95

#	ARTICLE	IF	CITATIONS
19	Low-Temperature Synthesis of Monolithic Titanium Carbide/Carbon Composite Aerogel. <i>Nanomaterials</i> , 2020, 10, 2527.	1.9	4
20	Preparation, Characterization, and In Vitro Evaluation of Resveratrol-Loaded Cellulose Aerogel. <i>Materials</i> , 2020, 13, 1624.	1.3	17
21	Preparation, Characterization, and In Vitro Sustained Release Profile of Resveratrol-Loaded Silica Aerogel. <i>Molecules</i> , 2020, 25, 2752.	1.7	27
22	Hydrophobic Silica Nanorod Arrays Vertically Grown on Melamine Foams for Oil/Water Separation. <i>ACS Applied Nano Materials</i> , 2020, 3, 1479-1488.	2.4	38
23	Enhanced Photothermal Conversion by Hot-Electron Effect in Ultrablack Carbon Aerogel for Solar Steam Generation. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 42057-42065.	4.0	109
24	Ultra-black carbon@silica core-shell aerogels with controllable electrical conductivities. <i>Advanced Composites and Hybrid Materials</i> , 2019, 2, 743-752.	9.9	40
25	Diffusion of Resveratrol in Silica Alcogels. <i>Molecules</i> , 2019, 24, 3931.	1.7	7
26	Preparation and characterization of inhomogeneous RF aerogels with continuously varying densities. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 90, 478-486.	1.1	2
27	Temperature dependence of dynamic mechanical behaviors in low density MTMS-derived silica aerogel. <i>Journal of Porous Materials</i> , 2018, 25, 1229-1235.	1.3	13
28	Multifunctional Silica Nanotube Aerogels Inspired by Polar Bear Hair for Light Management and Thermal Insulation. <i>Chemistry of Materials</i> , 2018, 30, 6849-6857.	3.2	124
29	Efficient preparation of crack-free, low-density and transparent polymethylsilsesquioxane aerogels via ambient pressure drying and surface modification. <i>RSC Advances</i> , 2018, 8, 17967-17975.	1.7	20
30	Nanostructured resorcinol-formaldehyde ink for 3D direct writing. <i>Journal of Materials Research</i> , 2018, 33, 2052-2061.	1.2	18
31	Cast-In-Situ, Large-Sized Monolithic Silica Xerogel Prepared in Aqueous System. <i>Molecules</i> , 2018, 23, 1178.	1.7	3
32	One-Dimension Diffusion Preparation of Concentration-Gradient Fe <sub>2</sub> O <sub>3</sub> /SiO <sub>2</sub> Aerogel. <i>Molecules</i> , 2018, 23, 1502.	1.7	6
33	Thermal Failure Analysis of Fiber-Reinforced Silica Aerogels under Liquid Nitrogen Thermal Shock. <i>Molecules</i> , 2018, 23, 1522.	1.7	1
34	A finite-volume fast diffusion-limited aggregation model for predicting the coagulation rate of mixed low-ionized system. <i>AIP Advances</i> , 2017, 7, .	0.6	3
35	Self-supporting silica aerogel thin films with high flexibility. <i>Thin Solid Films</i> , 2017, 628, 81-87.	0.8	8
36	Timing of polyethylene glycol addition for the control of SiO <sub>2</sub> sol structure and sol-gel coating properties. <i>Journal of Coatings Technology Research</i> , 2017, 14, 447-454.	1.2	18

#	ARTICLE	IF	CITATIONS
37	An optical dustbin made by the subwavelength-induced super-black carbon aerogels. <i>Journal of Materials Research</i> , 2017, 32, 3524-3531.	1.2	9
38	Microstructure control of the silica aerogels via pinhole drying. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 84, 96-103.	1.1	12
39	Low-cost carbon nanotube aerogels with varying and controllable density. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 79, 76-82.	1.1	20
40	Ultra-low-density GNS/CA composite aerogels with ultra-high specific surface for dye removal. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 80, 68-76.	1.1	14
41	Design and Fabrication of a CH/RF/CH Tri-Layer Perturbation Target for Hydrodynamic Instability Experiments in ICF. <i>Journal of Fusion Energy</i> , 2016, 35, 357-364.	0.5	5
42	Super Black Material from Low-Density Carbon Aerogels with Subwavelength Structures. <i>ACS Nano</i> , 2016, 10, 9123-9128.	7.3	96
43	A new approach for preparation of free-standing nano-porous SiO <sub>2</sub> films with a large area. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 80, 267-276.	1.1	4
44	Preparation and optimization of aerogel flyer-plates with graded density. <i>Materials and Design</i> , 2016, 110, 225-232.	3.3	7
45	Silica-aerogel-powders $\epsilon$ -polyimide aerogels with excellent hydrophobicity and conversion to ultra-light polyimide aerogel. <i>RSC Advances</i> , 2016, 6, 58268-58278.	1.7	33
46	Effects of monomer rigidity on the microstructures and properties of polyimide aerogels cross-linked with low cost aminosilane. <i>RSC Advances</i> , 2016, 6, 22868-22877.	1.7	30
47	Freestanding titanium metallic aerogel. <i>Materials and Design</i> , 2016, 97, 93-97.	3.3	16
48	Template confined synthetic strategy for three-dimensional free-standing hierarchical porous nanocrystalline tantalum. <i>Materials Letters</i> , 2014, 116, 31-34.	1.3	6
49	Synthesis of polyimide cross-linked silica aerogels with good acoustic performance. <i>RSC Advances</i> , 2014, 4, 58252-58259.	1.7	46
50	Template confined synthesis of Cu- or Cu <sub>2</sub> O-doped SiO <sub>2</sub> aerogels from Cu(II)-containing composites by in situ alcoholthermal reduction. <i>RSC Advances</i> , 2014, 4, 49541-49546.	1.7	9
51	Effect of the thermal treatment on microstructure and physical properties of low-density and high transparency silica aerogels via acetonitrile supercritical drying. <i>Journal of Porous Materials</i> , 2013, 20, 1163-1170.	1.3	27
52	Greatly strengthened silica aerogels via co-gelation of binary sols with different concentrations: A method to control the microstructure of the colloids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 436, 763-774.	2.3	15
53	Fabrication and characterization of composition-gradient CuO/SiO <sub>2</sub> composite aerogel. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 68, 102-109.	1.1	6
54	A Special Material or a New State of Matter: A Review and Reconsideration of the Aerogel. <i>Materials</i> , 2013, 6, 941-968.	1.3	366

#	ARTICLE	IF	CITATIONS
55	Reaction-Induced Microsyneresis in Oxide-Based Gels: The Assembly of Hierarchical Microsphere Networks. <i>Langmuir</i> , 2013, 29, 11208-11216.	1.6	13
56	An investigation on the assembling of WO <sub>3</sub> particles on the matrix of silica solution. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 64, 427-435.	1.1	9
57	One-pot synthesis, characterization and properties of acid-catalyzed resorcinol/formaldehyde cross-linked silica aerogels and their conversion to hierarchical porous carbon monoliths. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 62, 294-303.	1.1	27
58	Influence of thermal process on microstructural and physical properties of ambient pressure dried hydrophobic silica aerogel monoliths. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 62, 126-133.	1.1	22
59	A versatile sol-gel route to monolithic oxidic gels via polyacrylic acid template. <i>New Journal of Chemistry</i> , 2011, 35, 1096.	1.4	35
60	Fabrication of Multi-layered Shock Wave Tube for Hydrodynamic Instability Experiment. <i>Journal of Fusion Energy</i> , 2011, 30, 509-515.	0.5	4
61	Hierarchical microstructure and formative mechanism of low-density molybdena-based aerogel derived from MoCl <sub>5</sub> . <i>Journal of Sol-Gel Science and Technology</i> , 2011, 58, 225-231.	1.1	18
62	Fabrication of gradient density SiO <sub>2</sub> aerogel. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 58, 470-475.	1.1	29
63	Fabrication of multilayer graded density peeled-carbon-aerogel target. <i>Fusion Engineering and Design</i> , 2011, 86, 238-243.	1.0	10