

# Dongyan Tang

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

1,638  
citations

361296

20  
h-index

302012

39  
g-index

62  
all docs

62  
docs citations

62  
times ranked

2364  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of phytochemistry, metabolite changes, and medicinal uses of the common food mung bean and its sprouts ( <i>Vigna radiata</i> ). <i>Chemistry Central Journal</i> , 2014, 8, 4.	2.6	207
2	Dimension-matched Zinc Phthalocyanine/BiVO <sub>4</sub> Ultrathin Nanocomposites for CO <sub>2</sub> Reduction as Efficient Wide-Visible-Light-Driven Photocatalysts via a Cascade Charge Transfer. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10873-10878.	7.2	168
3	Energy Platform for Directed Charge Transfer in the Cascade Z-scheme Heterojunction: CO <sub>2</sub> Photoreduction without a Cocatalyst. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20906-20914.	7.2	132
4	Precise Synthesis of Fe-N <sub>2</sub> Sites with High Activity and Stability for Long-Life Lithium-Sulfur Batteries. <i>ACS Nano</i> , 2020, 14, 16105-16113.	7.3	120
5	Ethyl acetate green antisolvent process for high-performance planar low-temperature SnO <sub>2</sub> -based perovskite solar cells made in ambient air. <i>Chemical Engineering Journal</i> , 2020, 379, 122298.	6.6	95
6	Photocatalytic oxidation of methyl orange in water phase by immobilized TiO <sub>2</sub> -carbon nanotube nanocomposite photocatalyst. <i>Applied Surface Science</i> , 2014, 296, 1-7.	3.1	81
7	Dimension-matched plasmonic Au/TiO <sub>2</sub> /BiVO <sub>4</sub> nanocomposites as efficient wide-visible-light photocatalysts to convert CO <sub>2</sub> and mechanistic insights. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11838-11845.	5.2	72
8	Stimuli-responsive electrospun nanofibers from poly(N-isopropylacrylamide)-co-poly(acrylic acid) copolymer and polyurethane. <i>Journal of Materials Chemistry B</i> , 2014, 2, 651-658.	2.9	57
9	Metabolomic analysis of the polyphenols in germinating mung beans ( <i>Vigna radiata</i> ) seeds and sprouts. <i>Journal of the Science of Food and Agriculture</i> , 2014, 94, 1639-1647.	1.7	51
10	Dimension-matched Zinc Phthalocyanine/BiVO <sub>4</sub> Ultrathin Nanocomposites for CO <sub>2</sub> Reduction as Efficient Wide-Visible-Light-Driven Photocatalysts via a Cascade Charge Transfer. <i>Angewandte Chemie</i> , 2019, 131, 10989-10994.	1.6	44
11	β-Cyclodextrin modified electrospinning fibers with good regeneration for efficient temperature-enhanced adsorption of crystal violet. <i>Carbohydrate Polymers</i> , 2019, 208, 486-494.	5.1	42
12	Effective strategy to fabricate ZIF-8@ZIF-8/polyacrylonitrile nanofibers with high loading efficiency and improved removing of Cr(VI). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 603, 125292.	2.3	41
13	Polydopamine Microsphere-Incorporated Electrospun Fibers as Novel Adsorbents for Dual-Responsive Adsorption of Methylene Blue. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 49723-49736.	4.0	40
14	Crosslinked electrospinning fibers with tunable swelling behaviors: A novel and effective adsorbent for Methylene Blue. <i>Chemical Engineering Journal</i> , 2020, 390, 124472.	6.6	35
15	Surfactant Sodium Dodecyl Benzene Sulfonate Improves the Efficiency and Stability of Air-Processed Perovskite Solar Cells with Negligible Hysteresis. <i>Solar Rrl</i> , 2020, 4, 2000376.	3.1	30
16	Electrospun poly(N-isopropylacrylamide)/poly(caprolactone)-based polyurethane nanofibers as drug carriers and temperature-controlled release. <i>New Journal of Chemistry</i> , 2013, 37, 2433.	1.4	27
17	Near infrared laser-controlled drug release of thermoresponsive microgel encapsulated with Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>RSC Advances</i> , 2017, 7, 19604-19610.	1.7	23
18	Energy Platform for Directed Charge Transfer in the Cascade Z-scheme Heterojunction: CO <sub>2</sub> Photoreduction without a Cocatalyst. <i>Angewandte Chemie</i> , 2021, 133, 21074-21082.	1.6	23

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19	Superhydrophobic Films Fabricated by Electro spraying Poly(methyl Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td (methacrylate Physical Chemistry C, 2012, 116, 26284-26294.	1.5	22
20	Synthesis and Cr adsorption of a super-hydrophilic polydopamine-functionalized electrospun polyacrylonitrile. Environmental Chemistry Letters, 2021, 19, 743-749.	8.3	22
21	Electrospun PCL-based polyurethane/HA microfibers as drug carrier of dexamethasone with enhanced biodegradability and shape memory performances. Colloid and Polymer Science, 2020, 298, 103-111.	1.0	20
22	Au-Modulated Z-Scheme CuPc/BiVO <sub>4</sub> Nanosheet Heterojunctions toward Efficient CO <sub>2</sub> Conversion under Wide-Visible-Light Irradiation. ACS Sustainable Chemistry and Engineering, 2021, 9, 2400-2408.	3.2	20
23	Interfacial reactions in an interpenetrating polymer network thin film on an aluminum substrate. Surface and Interface Analysis, 2009, 41, 974-980.	0.8	18
24	Graphene-modulated assembly of zinc phthalocyanine on BiVO <sub>4</sub> nanosheets for efficient visible-light catalytic conversion of CO <sub>2</sub> . Chemical Communications, 2020, 56, 4926-4929.	2.2	17
25	PEGMa modified molybdenum oxide as a NIR photothermal agent for composite thermal/pH-responsive p(NIPAM-co-MAA) microgels. Journal of Materials Chemistry C, 2017, 5, 8788-8795.	2.7	16
26	Simultaneous and Gradient IPN of Polyurethane/Vinyl Ester Resin: Morphology and Mechanical Properties. Journal of Nanomaterials, 2009, 2009, 1-6.	1.5	15
27	Temperature-responsive zinc oxide nanorods arrays grafted with poly(N-isopropylacrylamide) via SI-ATRP. RSC Advances, 2015, 5, 62024-62032.	1.7	15
28	Controlled synthesis of amphiphilic graft copolymer for superhydrophobic electrospun fibres with effective surface fluorine enrichment: the role of electric field and solvent. RSC Advances, 2015, 5, 82789-82799.	1.7	14
29	The impact of solvent and modifier on ZnO thin-film transistors fabricated by sol-gel process. Science China Technological Sciences, 2014, 57, 2153-2160.	2.0	12
30	Fabrication of PVCL-co-PMMA nanofibers with tunable volume phase transition temperatures and maintainable shape for anti-cancer drug release. RSC Advances, 2015, 5, 64944-64950.	1.7	12
31	An Easy Route to Synthesize Novel Mesostructured Silicas Al/SBA-16 and Its Catalytic Application. Catalysis Letters, 2011, 141, 356-363.	1.4	11
32	Transparent fluorinate acrylic polyurethane with hydrophobicity obtained by crosslinking of hydroxyl-containing fluoroacrylate copolymer with HDI trimer. Materials Science-Poland, 2015, 33, 451-459.	0.4	11
33	Plasma-initiated polymerization of N-isopropylacrylamide and functionalized with dopamine for the adhesion to Hela cells. Polymer Bulletin, 2020, 77, 963-974.	1.7	11
34	Electrospinning Process of Thermo-sensitive Poly(N-isopropylacrylamide) /poly (2-acrylamido-2-methylpropanesulfonic acid) Nanofibers. Journal of Macromolecular Science - Pure and Applied Chemistry, 2012, 49, 980-985.	1.2	10
35	Synthesis of molybdenum oxide quantum dots with better dispersity and bio-imaging ability by reduction method. Optical Materials, 2018, 83, 19-27.	1.7	10
36	In situ thermal synthesis of molybdenum oxide nanocrystals in thermoresponsive microgels. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 563, 130-140.	2.3	10

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37	Enhanced effect of adsorption and photocatalysis by TiO <sub>2</sub> nanoparticles embedded porous PVDF nanofiber scaffolds. <i>Journal of Materials Research</i> , 2021, 36, 1538-1548.	1.2	9
38	Poly( <i>N</i> -isopropylacrylamide)/polyurethane core-shell nanofibres by coaxial electrospinning for drug controlled release. <i>Micro and Nano Letters</i> , 2016, 11, 260-263.	0.6	8
39	Polydopamine assists the continuous growth of zeolitic imidazolate framework-8 on electrospun polyacrylonitrile fibers as efficient adsorbents for the improved removal of Cr(VI). <i>New Journal of Chemistry</i> , 2021, 45, 15503-15513.	1.4	8
40	Polyethylene glycol-modified molybdenum oxide as NIR photothermal agent and its ablation ability for HeLa cells. <i>Colloid and Polymer Science</i> , 2019, 297, 249-260.	1.0	7
41	Electrospun P(NVCL-co-MAA) nanofibers and their pH/temperature dual-response drug release profiles. <i>Colloid and Polymer Science</i> , 2020, 298, 629-636.	1.0	7
42	Construction and mechanistic understanding of high-performance all-air-processed perovskite solar cells via mixed-cation engineering. <i>Materials Chemistry Frontiers</i> , 2021, 5, 4244-4253.	3.2	7
43	3D Hierarchical CNT-Based Host with High Sulfur Loading for Lithium-Sulfur Batteries. <i>ChemElectroChem</i> , 2019, 6, 5698-5704.	1.7	6
44	Specific iodide effect on surface-enhanced Raman scattering for ultra-sensitive detection of organic contaminants in water. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 272, 120950.	2.0	5
45	Polydopamine-assisted shape memory of polyurethane nanofibers with light-induced tunable responsiveness and improved cell adhesiveness. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 627, 127100.	2.3	4
46	Preparation of a Nickel Ion Containing Langmuir-Blodgett Multilayer and an Ultra-Thin Nickel Film Deposited on an Interpenetrating Polymer Network Substrate. <i>Journal of Adhesion Science and Technology</i> , 2010, 24, 1055-1062.	1.4	3
47	FABRICATION OF UNIFORM AND COMPACT ZnO THIN FILMS BY LANGMUIR-BLODGETT METHOD. <i>Surface Review and Letters</i> , 2013, 20, 1350047.	0.5	3
48	PREPARATION OF NICKEL ULTRATHIN FILM BY THE LANGMUIR-BLODGETT TECHNIQUE AND CHEMICAL REDUCTION. <i>Surface Review and Letters</i> , 2009, 16, 663-668.	0.5	2
49	EFFECTS OF SUBSTRATE AND EXPERIMENTAL CONDITIONS ON THE FABRICATION OF WELL-ORDERED SILICA PARTICULATE LANGMUIR-BLODGETT FILMS. <i>Surface Review and Letters</i> , 2013, 20, 1350039.	0.5	2
50	Thermal phase transition of poly( <i>N</i> -vinyl caprolactam)-based copolymers: the distribution of hydrophilic units within polymeric chains. <i>Colloid and Polymer Science</i> , 2019, 297, 1255-1264.	1.0	2
51	In situ thermal fabrication of copper sulfide-polymer hybrid nanostructures for tunable plasmon resonance. <i>Nanoscale Advances</i> , 2020, 2, 2303-2308.	2.2	2
52	Photocatalytic property and pH-response behavior of modified ZnO electrospun nanofibers grafted with poly(methyl methacrylate). <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	2
53	Pre-oxidation of Ti and its diffusion bonding to K9 glass: microstructure and mechanism properties. <i>Journal of Materials Science</i> , 2022, 57, 6790-6802.	1.7	2
54	Porous ZnO Microspheres Grafted with Poly( <i>N</i> -isopropylacrylamide) via Sl-ATRP: Reversible Temperature-Controlled Switching of Photocatalysis**. <i>ChemistrySelect</i> , 2022, 7, .	0.7	2

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55	CONDUCTIVITY AND DIELECTRIC BEHAVIOR OF PLIAMPS-BASED SEMI-IPN SINGLE ION CONDUCTOR PLASTICIZED WITH POLY(SILOXANE-G-ETHYLENE OXIDE). <i>Journal of Advanced Dielectrics</i> , 2012, 02, 1250017.	1.5	1
56	FABRICATION AND OPTOELECTRONIC PROPERTIES OF $\text{Mg}_x\text{Zn}_{1-x}\text{O}$ ULTRATHIN FILMS BY LANGMUIR-BLODGETT TECHNOLOGY. <i>Surface Review and Letters</i> , 2012, 19, 1250044.	0.5	1
57	Effect of the preheating temperature and polarization treatment on the electrical properties of $\text{PZT/IPN}$ piezoelectric composites. , 2011, , .		0
58	Effect of the preheating temperature and polarization treatment on the electrical properties of $\text{PZT/IPN}$ piezoelectric composites. , 2011, , .		0
59	Interfacial reactions of nickel ion containing multilayers and nickel ultra-thin films with an interpenetrating polymer network substrate. <i>Surface and Interface Analysis</i> , 2012, 44, 15-20.	0.8	0
60	Innentitelbild: Dimension-Matched Zinc Phthalocyanine/ $\text{BiVO}_4$ Ultrathin Nanocomposites for $\text{CO}_2$ Reduction as Efficient Wide-Visible-Light-Driven Photocatalysts via a Cascade Charge Transfer ( <i>Angew. Chem.</i> 32/2019). <i>Angewandte Chemie</i> , 2019, 131, 10878-10878.	1.6	0