

# Ting Sun

## List of Publications by Year in descending order

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103  
papers

2,543  
citations

172457

29  
h-index

223800

46  
g-index

103  
all docs

103  
docs citations

103  
times ranked

3060  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wide Electrochemical Window of Supercapacitors from Coffee Bean-Derived Phosphorus-Rich Carbons. <i>ChemSusChem</i> , 2013, 6, 2330-2339.	6.8	145
2	Growth responses of three ornamental plants to Cd and Cd-Pb stress and their metal accumulation characteristics. <i>Journal of Hazardous Materials</i> , 2008, 151, 261-267.	12.4	121
3	Cd(II)-imprinted polymer sorbents prepared by combination of surface imprinting technique with hydrothermal assisted sol-gel process for selective removal of cadmium(II) from aqueous solution. <i>Chemical Engineering Journal</i> , 2011, 171, 703-710.	12.7	115
4	An ion-imprinted amino-functionalized silica gel sorbent prepared by hydrothermal assisted surface imprinting technique for selective removal of cadmium (II) from aqueous solution. <i>Applied Surface Science</i> , 2012, 258, 3815-3822.	6.1	97
5	Selective Removal of Arsenic(V) from Aqueous Solution Using A Surface-Ion-Imprinted Amine-Functionalized Silica Gel Sorbent. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 5216-5223.	3.7	92
6	A DNA-stabilized silver nanoclusters/graphene oxide-based platform for the sensitive detection of DNA through hybridization chain reaction. <i>Biosensors and Bioelectronics</i> , 2017, 91, 374-379.	10.1	92
7	Capacitive Behaviours of Phosphorus-Rich Carbons Derived from Lignocelluloses. <i>Electrochimica Acta</i> , 2014, 137, 219-227.	5.2	85
8	Adsorption of antibiotics from water by using Chinese herbal medicine residues derived biochar: Preparation and properties studies. <i>Journal of Molecular Liquids</i> , 2021, 325, 114967.	4.9	78
9	Removal of cadmium(II) and lead(II) from aqueous solution using sulfur-functionalized silica prepared by hydrothermal-assisted grafting method. <i>Chemical Engineering Journal</i> , 2012, 198-199, 355-363.	12.7	76
10	Sampling 4-chlorophenol in water by DGT technique with molecularly imprinted polymer as binding agent and nylon membrane as diffusive layer. <i>Analytica Chimica Acta</i> , 2014, 822, 69-77.	5.4	69
11	Eu <sup>3+</sup> /Tb <sup>3+</sup> functionalized Bi-based metal-organic frameworks toward tunable white-light emission and fluorescence sensing applications. <i>Dalton Transactions</i> , 2018, 47, 16696-16703.	3.3	55
12	Direct toxicity assessment of toxic chemicals with electrochemical method. <i>Analytica Chimica Acta</i> , 2009, 641, 59-63.	5.4	54
13	Ultra-high adsorption of tetracycline antibiotics on garlic skin-derived porous biomass carbon with high surface area. <i>New Journal of Chemistry</i> , 2020, 44, 1097-1106.	2.8	53
14	Cooperative Sites in Fully Exposed Pd Clusters for Low-Temperature Direct Dehydrogenation Reaction. <i>ACS Catalysis</i> , 2021, 11, 11469-11477.	11.2	51
15	Removal of arsenic(V) from aqueous solutions using 3-[2-(2-aminoethylamino)ethylamino]propyl-trimethoxysilane functionalized silica gel adsorbent. <i>Desalination</i> , 2011, 278, 238-243.	8.2	49
16	Drastically-enlarged interlayer-spacing MoS <sub>2</sub> nanocages by inserted carbon motifs as high performance cathodes for aqueous zinc-ion batteries. <i>Energy Storage Materials</i> , 2022, 49, 144-152.	18.0	48
17	A novel selective hybrid cation exchanger for low-concentration ammonia nitrogen removal from natural water and secondary wastewater. <i>Chemical Engineering Journal</i> , 2015, 281, 295-302.	12.7	47
18	Evaluation of ferricyanide effects on microorganisms with multi-methods. <i>Talanta</i> , 2009, 78, 613-617.	5.5	45

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19	Use of polymer-bound Schiff base as a new liquid binding agent of diffusive gradients in thin-films for the measurement of labile Cu <sup>2+</sup> , Cd <sup>2+</sup> and Pb <sup>2+</sup> . <i>Journal of Hazardous Materials</i> , 2013, 260, 762-769.	12.4	42
20	Identification and Chemical Enhancement of Two Ornamental Plants for Phytoremediation. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2008, 80, 260-265.	2.7	41
21	Cadmium tolerance and accumulation of <i>Althaea rosea</i> Cav. and its potential as a hyperaccumulator under chemical enhancement. <i>Environmental Monitoring and Assessment</i> , 2009, 149, 419-427.	2.7	40
22	A Unique Optical and Electrical Multifunctional Metal-Organic Framework Based on Polynuclear Rod-Shaped Secondary Building Units Constructed from a "Three Birds with One Stone" in Situ Reaction Process. <i>Crystal Growth and Design</i> , 2010, 10, 2272-2277.	3.0	38
23	Preparation of zinc tungstate nanomaterial and its sonocatalytic degradation of meloxicam as a novel sonocatalyst in aqueous solution. <i>Ultrasonics Sonochemistry</i> , 2020, 61, 104815.	8.2	36
24	Selective adsorption of antimony(III) from aqueous solution by ion-imprinted organic-inorganic hybrid sorbent: Kinetics, isotherms and thermodynamics. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 2640-2648.	5.3	35
25	Preparation and characterization of aluminum foams with ZrH <sub>2</sub> as foaming agent. <i>Transactions of Nonferrous Metals Society of China</i> , 2011, 21, 346-352.	4.2	33
26	Sodium polyacrylate as a binding agent in diffusive gradients in thin-films technique for the measurement of Cu <sup>2+</sup> and Cd <sup>2+</sup> in waters. <i>Talanta</i> , 2009, 79, 1228-1232.	5.5	32
27	Nickel-Catalyzed Synthesis of 3D Edge-Curled Graphene for High-Performance Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 1904645.	14.9	32
28	Effect of Biofilm on Passive Sampling of Dissolved Orthophosphate Using the Diffusive Gradients in Thin Films Technique. <i>Analytical Chemistry</i> , 2016, 88, 6836-6843.	6.5	31
29	N, O and S co-doped hierarchical porous carbon derived from a series of samara for lithium and sodium storage: Insights into surface capacitance and inner diffusion. <i>Journal of Colloid and Interface Science</i> , 2021, 598, 250-259.	9.4	30
30	PEI/Zr <sup>4+</sup> -coated nanopore for selective and sensitive detection of ATP in combination with single-walled carbon nanotubes. <i>Biosensors and Bioelectronics</i> , 2015, 63, 287-293.	10.1	29
31	Studies on the competitive binding of cleviprex and flavonoids to plasma protein by multi-spectroscopic methods: A prediction of food-drug interaction. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 175, 192-199.	3.8	29
32	Application of poly (ethyleneimine) solution as a binding agent in DGT technique for measurement of heavy metals in water. <i>Talanta</i> , 2013, 114, 276-282.	5.5	28
33	A facile synthesis of a ZIF-derived ZnS/ZnIn <sub>2</sub> S <sub>4</sub> heterojunction and enhanced photocatalytic hydrogen evolution. <i>Dalton Transactions</i> , 2020, 49, 10816-10823.	3.3	28
34	Assessment of potential soybean cadmium excluder cultivars at different concentrations of Cd in soils. <i>Journal of Environmental Sciences</i> , 2015, 35, 108-114.	6.1	27
35	Reconfigurable and resettable arithmetic logic units based on magnetic beads and DNA. <i>Nanoscale</i> , 2015, 7, 20749-20756.	5.6	27
36	Development and evaluation of diffusive gradients in thin films based on nano-sized zinc oxide particles for the in situ sampling of tetracyclines in pig breeding wastewater. <i>Science of the Total Environment</i> , 2019, 651, 1653-1660.	8.0	27

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37	Sol-gel derived organic-inorganic hybrid sorbent for removal of Pb <sup>2+</sup> , Cd <sup>2+</sup> and Cu <sup>2+</sup> from aqueous solution. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 64, 418-426.	2.4	26
38	Selective removal of iron from aqueous solution using ion imprinted thiocyanato-functionalized silica gel sorbents. <i>Korean Journal of Chemical Engineering</i> , 2012, 29, 798-803.	2.7	25
39	Measurement of Free Copper(II) ions in Water Samples with Polyvinyl alcohol as a Binding Phase in Diffusive gradients in Thin-films. <i>Analytical Sciences</i> , 2009, 25, 1345-1349.	1.6	24
40	An enzyme-free and resettable platform for the construction of advanced molecular logic devices based on magnetic beads and DNA. <i>Nanoscale</i> , 2016, 8, 15681-15688.	5.6	23
41	Effective concentration difference model to study the effect of various factors on the effective diffusion coefficient in the dialysis membrane. <i>Analytica Chimica Acta</i> , 2011, 698, 27-35.	5.4	19
42	Highly efficient colorimetric detection of ATP utilizing a split aptamer target binding strategy and superior catalytic activity of graphene oxide-platinum/gold nanoparticles. <i>RSC Advances</i> , 2015, 5, 75746-75752.	3.6	19
43	Selective Removal of Iron from Aqueous Solution using Ion Imprinted Cyanato-Functionalized Silica Gel Sorbents. <i>Separation Science and Technology</i> , 2012, 47, 507-512.	2.5	18
44	Sustainable and efficient removal of paraben, oxytetracycline and metronidazole using magnetic porous biochar composite prepared by one step pyrolysis. <i>Separation and Purification Technology</i> , 2022, 293, 121120.	7.9	18
45	Enzyme Responses to Phytoremediation of PAH-Contaminated Soil Using <i>Echinacea purpurea</i> (L.). <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	2.4	17
46	Coupling mesoporous imprinted polymer based DGT passive samplers and HPLC: A new tool for in-situ selective measurement of low concentration tetrabromobisphenol A in freshwaters. <i>Science of the Total Environment</i> , 2019, 685, 442-450.	8.0	17
47	Study on Quantitative Structure-Retention Relationships for Hydrocarbons in FCC Gasoline. <i>Chromatographia</i> , 2009, 70, 511-518.	1.3	15
48	Synthesis, structure, and photoluminescence of a series of lanthanide coordination polymers constructed from nitrogen containing organic ligands. <i>Journal of Coordination Chemistry</i> , 2009, 62, 2755-2763.	2.2	14
49	Fully branched hyperbranched polymers with a focal point: analogous to dendrimers. <i>Polymer Chemistry</i> , 2014, 5, 2401.	3.9	14
50	Sampling of ammonium ion in water samples by using the diffusive-gradients-in-thin-films technique (DGT) and a zeolite based binding phase. <i>Mikrochimica Acta</i> , 2015, 182, 2419-2425.	5.0	14
51	Decrease of the affinity of theophylline bind to serum proteins induced by flavonoids and their synergies on protein conformation. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 1066-1073.	7.5	14
52	Biomimetic phosphate assay based on nanopores obtained by immobilization of zirconium(IV) on a film of polyethyleneimine. <i>Mikrochimica Acta</i> , 2015, 182, 1387-1393.	5.0	13
53	Investigation on the interaction between triclosan and bovine serum albumin by spectroscopic methods. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2020, 55, 52-59.	1.5	13
54	Investigation of the binding interactions between dimethyl phthalate and its metabolite with bovine serum albumin by multispectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117771.	3.9	13

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55	Screening of safe soybean cultivars for cadmium contaminated fields. <i>Scientific Reports</i> , 2020, 10, 12965.	3.3	13
56	Synthesis, characterization and properties of series coordination polymers constructed from a biphenyl dicarboxylate and nitrogen-containing mixed ligands. <i>Inorganica Chimica Acta</i> , 2009, 362, 5203-5210.	2.4	12
57	In situ sampling of tetracycline antibiotics in culture wastewater using diffusive gradients in thin films equipped with graphene nanoplatelets. <i>Environmental Research</i> , 2020, 191, 110089.	7.5	12
58	Investigation of self-assembled protein dimers through an artificial ion channel for DNA sensing. <i>Science Bulletin</i> , 2014, 59, 4946-4952.	1.7	11
59	Assessment of lead tolerance in 23 Chinese soybean cultivars and the effect of lead on their mineral ion complement. <i>Environmental Science and Pollution Research</i> , 2014, 21, 12909-12921.	5.3	11
60	Carbon nanodot aqueous binding phase-based diffusive gradients in thin films device for measurement of dissolved copper and lead species in the aquatic environment. <i>Analyst</i> , The, 2018, 143, 5568-5577.	3.5	11
61	A novel hybrid electrode of zeolitic imidazolate framework-derived carbon encapsulated in reduced TiO <sub>2</sub> nanotube arrays: Fabrication and photoelectrocatalytic activity. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5791.	3.5	11
62	Preparation and characterization of tetrapod-shaped ZnO whisker filled polyurethane cross-linked epoxy/polyurethane damping composites. <i>Journal of Reinforced Plastics and Composites</i> , 2012, 31, 1564-1575.	3.1	10
63	Sampling of Phenol in Water by Diffusive Gradients Using Thin Film Technique. <i>Chemistry Letters</i> , 2014, 43, 1164-1166.	1.3	10
64	Photocatalytic active silver organic framework: Ag(I)-MOF and its hybrids with silver cyanamide. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5972.	3.5	10
65	Exploring the mode of binding between butylated hydroxyanisole with bovine serum albumin: Multispectroscopic and molecular docking study. <i>Food Chemistry</i> , 2021, 357, 129771.	8.2	10
66	Indication Ion Square Wave Voltammetric Determination of Thiamine and Ascorbic Acid. <i>Analytical Letters</i> , 2007, 40, 2589-2596.	1.8	9
67	Coordination polymers constructed from d <sup>10</sup> ions, saturated or unsaturated aliphatic carboxylic acids, and bidentate nitrogen ligands: synthesis, characterization, and fluorescence. <i>Journal of Coordination Chemistry</i> , 2010, 63, 1313-1326.	2.2	9
68	Synthesis and structural characterization of three supramolecular coordination polymers constructed from different metal ions and 2,2'-bipyridyl-3,3'-dicarboxylic acid. <i>Journal of Coordination Chemistry</i> , 2012, 65, 754-762.	2.2	9
69	Process Optimization and Properties of Laser Cladding High Vanadium High Speed Steel Coatings on Nodular Cast Iron. <i>Advanced Materials Research</i> , 0, 712-715, 611-614.	0.3	9
70	Simultaneous sampling of dissolved orthophosphate and ammonium in freshwaters using diffusive gradients in thin films with a mixed binding phase. <i>Talanta</i> , 2018, 186, 176-182.	5.5	9
71	Wetting behavior of Al alloys on a TiH <sub>2</sub> substrate. <i>Journal of Alloys and Compounds</i> , 2010, 489, L1-L3.	5.5	8
72	Lab in a tube: a fast-assembled colorimetric sensor for highly sensitive detection of oligonucleotides based on a hybridization chain reaction. <i>RSC Advances</i> , 2015, 5, 44714-44721.	3.6	8

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73	Facile Synthesis of MnO <sub>2</sub> /MWCNTs via UV Photolysis as High-Performance and Low-Cost Cathodes for Aqueous Magnesium Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 6853-6865.	5.1	8
74	Layer-by-Layer Strippable Ag Multilayer Films Fabricated by Modular Assembly. <i>Langmuir</i> , 2014, 30, 548-553.	3.5	7
75	Difference in the binding mechanism of distinct antimony forms in bovine serum albumin. <i>BioMetals</i> , 2021, 34, 493-510.	4.1	7
76	Application of Imprinted Functionalized Silica Gel Sorbent for Selective Removal of Cadmium (II) from Industrial Wastewaters. <i>Advanced Materials Research</i> , 2011, 213, 441-444.	0.3	6
77	Hierarchical porous biochar with ultra-high specific surface area for rapid removal of antibiotics from water. <i>New Journal of Chemistry</i> , 2021, 45, 17418-17427.	2.8	6
78	Binder-free and flexible delta-MnO <sub>2</sub> @multiwalled carbon nanotubes as high-performance cathode material for aqueous magnesium ion battery. <i>Nanotechnology</i> , 2021, 32, 445401.	2.6	6
79	Support Vector Machine Applied to Study on Quantitative Structure–Retention Relationships of Polybrominated Diphenyl Ether Congeners. <i>Chromatographia</i> , 2014, 77, 1387-1398.	1.3	5
80	A versatile A2+ B3 approach to hyperbranched polyacenaphthenequinones. <i>Journal of Polymer Science Part A</i> , 2014, 52, 2596-2603.	2.3	5
81	Highly uniform platanus fruit-like CuCo <sub>2</sub> S <sub>4</sub> microspheres as an electrode material for high performance lithium-ion batteries and supercapacitors. <i>Dalton Transactions</i> , 2021, 50, 13042-13051.	3.3	5
82	Mixed-ligand coordination polymers constructed from flexible 2,2'-biphenyldicarboxylate and rigid isomeric bipyridines. <i>Polyhedron</i> , 2009, 28, 2997-3004.	2.2	4
83	Synthesis, characterization and magnetic properties of supramolecular metal–organic complexes constructed from flexible–rigid mixed ligands. <i>Transition Metal Chemistry</i> , 2010, 35, 501-506.	1.4	4
84	Synthesis, characterization and property study of new coordination polymers constructed from flexible dicarboxylates and bidentate nitrogen mixed ligands. <i>Solid State Sciences</i> , 2010, 12, 355-360.	3.2	4
85	Application of large molecular weight poly (4-styrenesulfonate) as a binding phase of the diffusive gradients in thin films technique. <i>Desalination and Water Treatment</i> , 2012, 50, 125-131.	1.0	3
86	Batch and fixed-bed column adsorption of tetrabromobisphenol A onto metal organic resin: equilibrium, kinetic and mechanism studies. <i>New Journal of Chemistry</i> , 2020, 44, 12771-12778.	2.8	3
87	Synthesis, characterization and magnetic properties of coordination polymers of manganese with 1,1'-biphenyl-2,2'-dicarboxylic acid ligands. <i>Transition Metal Chemistry</i> , 2009, 34, 827-833.	1.4	2
88	Properties and Morphology of Damping Composite Consisting of Polyester-Type Polyurethane/Epoxy Resin. <i>Advanced Materials Research</i> , 0, 295-297, 747-750.	0.3	2
89	Effects of seasonal biofouling on diffusion coefficients through filter membranes with different hydrophilicities in natural waters. <i>Science of the Total Environment</i> , 2021, 794, 148536.	8.0	2
90	A binder-free δ-MnO <sub>2</sub> @reduced graphene oxide composite film as a bi-functional electrode for aqueous rechargeable sodium-ion batteries and hybrid capacitive deionization. <i>New Journal of Chemistry</i> , 2022, 46, 8679-8687.	2.8	2

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91	Porous Spinel Magnesium Manganese Oxide/Multiwalled Carbon Nanotubes Composite Synthesized by Electrochemical Conversion as High-Performance Cathode for Aqueous Magnesium Ion Battery. <i>Journal of the Electrochemical Society</i> , 2022, 169, 040530.	2.9	2
92	Mechanism and Kinetics of Thermal Dissociation of Inclusion Complex of $\alpha$ -Cyclodextrin and 1-Methylcyclopropene. <i>Chinese Journal of Chemical Physics</i> , 2006, 19, 89-92.	1.3	1
93	Self-assembly of reduced molybdophosphate-based supramolecular architectures and the study of their magnetic properties. <i>Transition Metal Chemistry</i> , 2009, 34, 571-577.	1.4	1
94	Synthesis, Characterization and Fluorescent Property of Two Mixed Ligand Coordination Polymers Constructed from 4-Cyclohexene-1,2-dicarboxylate and Nitrogen-Containing Ligands. <i>Journal of Chemical Crystallography</i> , 2011, 41, 453-457.	1.1	1
95	A general strategy based on the self-evolution of building blocks for the construction of one-dimensional hierarchically super-structured TiO <sub>2</sub> fibres. <i>CrystEngComm</i> , 2020, 22, 4359-4362.	2.6	1
96	Effective transportation of electrons/Li ions in V <sub>2</sub> O <sub>3</sub> nanoparticle/carbon-coated stainless steel composite electrodes for lithium-ion storage. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 114, 297-304.	5.8	1
97	The Preparation of Coatings with Codepositon Plating on A3 Steel and its Corrosion Resistance. <i>Advanced Materials Research</i> , 2010, 150-151, 1034-1038.	0.3	0
98	Application of PCA-RBF Method to QSRR Studies on Hydrocarbon in FCC Gasoline with PCA-RBF. <i>Advanced Materials Research</i> , 0, 347-353, 1769-1773.	0.3	0
99	Synthesis and Characterization of CdS Nanoparticles. <i>Advanced Materials Research</i> , 0, 848, 3-6.	0.3	0
100	Quantitative Structure-Retention Relationship (QSRR) study of oxygen-containing organic compounds based on Gene Expression Programming (GEP). , 2016, , .		0
101	Reactive oxygen species generation and human serum albumin damage induced by the combined effects of ultrasonic irradiation and brilliant cresyl blue. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 1865-1871.	7.5	0
102	Investigation of the Interaction of Chrysene and Bovine Serum Albumin by Multispectroscopic Method. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 110-122.	2.6	0
103	Fabrication of Poly(lactic acid) Multilayer by Superimposing Free-standing Films for Controlled Drug Delivery. <i>Acta Chimica Sinica</i> , 2014, 72, 1110.	1.4	0