

# Datong Wu

## List of Publications by Year in descending order

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56  
papers

1,415  
citations

257450

24  
h-index

361022

35  
g-index

56  
all docs

56  
docs citations

56  
times ranked

1163  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyaniline functionalized reduced graphene oxide/carbon nanotube ternary nanocomposite as a supercapacitor electrode. <i>Chemical Communications</i> , 2020, 56, 4003-4006.	4.1	68
2	Covalent functionalization of reduced graphene oxide aerogels with polyaniline for high performance supercapacitors. <i>Chemical Communications</i> , 2019, 55, 1738-1741.	4.1	62
3	A facile avenue to prepare chiral graphene sheets as electrode modification for electrochemical enantioselective recognition. <i>Analytica Chimica Acta</i> , 2018, 1033, 58-64.	5.4	53
4	Covalent Functionalization of Bovine Serum Albumin with Graphene Quantum Dots for Stereospecific Molecular Recognition. <i>Analytical Chemistry</i> , 2019, 91, 11864-11871.	6.5	53
5	Single-Template Molecularly Imprinted Chiral Sensor for Simultaneous Recognition of Alanine and Tyrosine Enantiomers. <i>Analytical Chemistry</i> , 2019, 91, 12546-12552.	6.5	51
6	Recent progress of task-specific ionic liquids in chiral resolution and extraction of biological samples and metal ions. <i>Journal of Separation Science</i> , 2018, 41, 373-384.	2.5	49
7	Structural characterization and immunomodulatory activity of a water soluble polysaccharide isolated from <i>Botrychium ternatum</i> . <i>Carbohydrate Polymers</i> , 2017, 171, 136-142.	10.2	48
8	Specific cooperative effect for the enantiomeric separation of amino acids using aqueous two-phase systems with task-specific ionic liquids. <i>Journal of Chromatography A</i> , 2015, 1395, 65-72.	3.7	46
9	Electrochemical Chiral Recognition of Tryptophan Isomers Based on Nonionic Surfactant-Assisted Molecular Imprinting Sol-gel Silica. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 2840-2848.	8.0	46
10	Chiral Poly(ionic liquid) with Nonconjugated Backbone as a Fluorescent Enantioselective Sensor for Phenylalanine and Tryptophan. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 23362-23368.	8.0	42
11	Fabrication of CuO nanoparticles-decorated 3D N-doped porous carbon as electrochemical sensing platform for the detection of Sudan I. <i>Food Chemistry</i> , 2019, 287, 375-381.	8.2	40
12	Coinduction of a Chiral Microenvironment in Polypyrrole by Overoxidation and Camphorsulfonic Acid for Electrochemical Chirality Sensing. <i>Analytical Chemistry</i> , 2018, 90, 9551-9558.	6.5	39
13	Dynamic Interaction between Host and Guest for Enantioselective Recognition: Application of $\beta$ -Cyclodextrin-Based Charged Catenane As Electrochemical Probe. <i>Analytical Chemistry</i> , 2019, 91, 5961-5967.	6.5	37
14	Recent progress of enantioseparation under scale production (2014-2019). <i>Journal of Separation Science</i> , 2020, 43, 337-347.	2.5	34
15	Synthesis of oxidized pullulan coated mesoporous silica for pH-sensitive drug delivery. <i>European Polymer Journal</i> , 2020, 122, 109399.	5.4	34
16	Nanowired NiMoO <sub>4</sub> /NiSe <sub>2</sub> /MoSe <sub>2</sub> prepared through <i>in situ</i> selenylation as a high performance supercapacitor electrode. <i>Chemical Communications</i> , 2021, 57, 4019-4022.	4.1	33
17	Enhancement of visual chiral sensing via an anion-binding approach: Novel ionic liquids as the chiral selectors. <i>Analytica Chimica Acta</i> , 2017, 962, 97-103.	5.4	32
18	Chiral Sensing Platform Based on the Self-Assemblies of Diphenylalanine and Oxalic Acid. <i>Analytical Chemistry</i> , 2018, 90, 5451-5458.	6.5	32

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19	Enantioselective Recognition of Chiral Tryptophan with Achiral Glycine through the Strategy of Chirality Transfer. <i>Analytical Chemistry</i> , 2020, 92, 11927-11934.	6.5	31
20	Smart Chiral Sensing Platform with Alterable Enantioselectivity. <i>Analytical Chemistry</i> , 2017, 89, 12930-12937.	6.5	30
21	Enantioselective Precipitate of Amines, Amino Alcohols, and Amino Acids via Schiff Base Reaction in the Presence of Chiral Ionic Liquid. <i>Organic Letters</i> , 2017, 19, 5018-5021.	4.6	29
22	Special Effect of Ionic Liquids on the Extraction of Flavonoid Glycosides from <i>Chrysanthemum morifolium</i> Ramat by Microwave Assistance. <i>Molecules</i> , 2015, 20, 7683-7699.	3.8	27
23	Highly enantioselective recognition of various acids using polymerized chiral ionic liquid as electrode modifies. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 164-170.	7.8	26
24	The hybrids of perylene tetracarboxylic acid functionalized multi-walled carbon nanotubes and chitosan for electrochemical chiral sensing of tryptophan enantiomers. <i>Bioelectrochemistry</i> , 2022, 146, 108110.	4.6	25
25	High-Speed Counter-Current Chromatography (HSCCC) Purification of Antifungal Hydroxy Unsaturated Fatty Acids from Plant-Seed Oil and <i>Lactobacillus</i> Cultures. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 11229-11236.	5.2	24
26	Dual stimuli-responsive nanoplatform based on core-shell structured graphene oxide/mesoporous silica@alginate. <i>International Journal of Biological Macromolecules</i> , 2021, 175, 209-216.	7.5	24
27	Fluorescence recognition of chiral amino alcohols by using a novel ionic liquid sensor. <i>Analyst</i> , The, 2017, 142, 2961-2966.	3.5	23
28	Chiral Enantioselective Assemblies Induced from Achiral Porphyrin by L- and D-Lysine. <i>Langmuir</i> , 2019, 35, 16761-16769.	3.5	22
29	Decoration of glutathione with copper-platinum nanoparticles for chirality sensing of tyrosine enantiomers. <i>Electrochemistry Communications</i> , 2020, 110, 106638.	4.7	22
30	Novel ionic liquid matrices for qualitative and quantitative detection of carbohydrates by matrix assisted laser desorption/ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2017, 985, 114-120.	5.4	21
31	Enantioselective Limiting Transport into a Fixed Cavity via Supramolecular Interaction for the Chiral Electroanalysis of Amino Acids Regardless of Electroactive Units. <i>Analytical Chemistry</i> , 2020, 92, 13711-13717.	6.5	20
32	Silver nanoparticle driven signal amplification for electrochemical chiral discrimination of amino acids. <i>Analyst</i> , The, 2021, 146, 1612-1619.	3.5	20
33	A redox and pH dual-triggered drug delivery platform based on chitosan grafted tubular mesoporous silica. <i>Ceramics International</i> , 2019, 45, 22603-22609.	4.8	19
34	A facile route to prepare functional mesoporous organosilica spheres with electroactive units for chiral recognition of amino acids. <i>Analyst</i> , The, 2019, 144, 543-549.	3.5	19
35	Rational design of a multi-responsive drug delivery platform based on SiO <sub>2</sub> @PPy@poly(acrylic) Tj ETQq1 1 0.784314 rgBT /Oyerlock 10	4.1	18
36	Competitive Self-Assembly Interaction between Ferrocenyl Units and Amino Acids for Entry into the Cavity of $\beta$ -Cyclodextrin for Chiral Electroanalysis. <i>Analytical Chemistry</i> , 2022, 94, 6050-6056.	6.5	18

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37	An ionic-based carbon dot for enantioselective discrimination of nonaromatic amino alcohols. <i>Analyst, The</i> , 2020, 145, 3395-3400.	3.5	17
38	Ultrasensitive Electrochemical Impedance Chiral Discrimination and Sensing of Tryptophan Isomers Based on Core-Shell-Structured Au@Ag Nanoparticles. <i>Langmuir</i> , 2021, 37, 14454-14462.	3.5	16
39	Hollow NiCoSe <sub>2</sub> /C prepared through a step-by-step derivatization method for high performance supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2022, 905, 115976.	3.8	16
40	TiO <sub>2</sub> Nanotubes Decorated with CdSe Quantum Dots: A Bifunctional Electrochemiluminescent Platform for Chiral Discrimination and Chiral Sensing. <i>Analytical Chemistry</i> , 2022, 94, 9399-9406.	6.5	15
41	Specific ionic effect for simple and rapid colorimetric sensing assays of amino acids using gold nanoparticles modified with task-specific ionic liquid. <i>Analytica Chimica Acta</i> , 2016, 902, 174-181.	5.4	13
42	Recent advances of the ionic chiral selectors for chiral resolution by chromatography, spectroscopy and electrochemistry. <i>Journal of Separation Science</i> , 2022, 45, 325-337.	2.5	13
43	Strategies to Achieve a Ferrocene-Based Polymer with Reversible Redox Activity for Chiral Electroanalysis of Nonelectroactive Amino Acids. <i>Analytical Chemistry</i> , 2021, 93, 10160-10166.	6.5	13
44	Gold Nanorods@Mesoporous SiO <sub>2</sub> @Hyaluronic Acid Core-Shell Nanoparticles for Controlled Drug Delivery. <i>ACS Applied Nano Materials</i> , 2022, 5, 7440-7448.	5.0	13
45	A chiral helical self-assembly for electrochemical recognition of tryptophan enantiomers. <i>Electrochemistry Communications</i> , 2019, 104, 106478.	4.7	12
46	Multi-templates based molecularly imprinted sodium alginate/MnO <sub>2</sub> for simultaneous enantio-recognition of lysine, alanine and cysteine isomers. <i>International Journal of Biological Macromolecules</i> , 2019, 129, 786-791.	7.5	12
47	Smart construction of an efficient enantioselective sensing device based on bioactive tripeptide. <i>Analytical Methods</i> , 2019, 11, 1951-1957.	2.7	10
48	Efficient enantio-recognition of amino acids under a stimuli-responsive system: synthesis, characterization and application of electroactive rotaxane. <i>Analyst, The</i> , 2019, 144, 6415-6421.	3.5	9
49	Electrochemiluminescent chiral discrimination with chiral Ag <sub>2</sub> S quantum dots/few-layer carbon nitride nanosheets. <i>Analyst, The</i> , 2021, 146, 6245-6251.	3.5	8
50	Fluorometric discrimination of tyrosine isomers based on the inner filter effect of chiral Au nanoparticles on MoS <sub>2</sub> quantum dots. <i>Analytical Methods</i> , 2021, 13, 2290-2296.	2.7	7
51	Improved chiral electrochemical recognition of tryptophan enantiomers based on three-dimensional molecularly imprinted overoxidized polypyrrole/MnO <sub>2</sub> /carbon felt composites. <i>Chirality</i> , 2019, 31, 917-922.	2.6	6
52	A Real-Time Strategy for Chiroptical Sensing and Enantiomeric Excess Determination of Primary Amines via an Acid-Base Reaction. <i>Organic Letters</i> , 2022, 24, 5226-5229.	4.6	6
53	Enantioselective recognition of tryptophan isomers with molecularly imprinted overoxidized polypyrrole/poly( <i>p</i> -aminobenzene sulfonic acid) modified electrode. <i>Chirality</i> , 2021, 33, 176-183.	2.6	5
54	Chiral supramolecular hydrogel with controllable phase transition behavior for stereospecific molecular recognition. <i>Journal of Electroanalytical Chemistry</i> , 2021, 883, 115045.	3.8	4

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55	Strategies to synthesize a chiral helical polymer accompanying with two stereogenic centers for chiral electroanalysis. <i>Analytica Chimica Acta</i> , 2022, 1206, 339810.	5.4	2
56	A facile synthesis of two ionized fluorescent carbon dots and selective detection toward Fe <sup>2+</sup> and Cu <sup>2+</sup> . <i>Nanoscale Advances</i> , 2020, 2, 2943-2949.	4.6	1