

# Yi Yang

## List of Publications by Year in descending order

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88  
papers

3,607  
citations

172457

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144013

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89  
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89  
docs citations

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times ranked

4958  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sorption of pharmaceuticals and personal care products (PPCPs) from water and wastewater by carbonaceous materials: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 727-766.	12.8	37
2	Highly efficient synergistic biocatalysis driven by stably loaded enzymes within hierarchically porous iron/cobalt metal-organic framework <i>via</i> biomimetic mineralization. <i>Journal of Materials Chemistry B</i> , 2022, 10, 1553-1560.	5.8	15
3	Glutathione functionalized magnetic covalent organic frameworks with dual-hydrophilicity for highly efficient and selective enrichment of glycopeptides. <i>Journal of Chromatography A</i> , 2022, 1667, 462869.	3.7	13
4	Development of a human insulin certified reference material with SI-traceable purity. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 3443-3457.	3.7	4
5	Room temperature fabrication of magnetic covalent organic frameworks for analyzing sulfonamide residues in animal-derived foods. <i>Journal of Separation Science</i> , 2022, 45, 1514-1524.	2.5	11
6	Boosting the activity of enzymes in metal-organic frameworks by a one-stone-two-bird enzymatic surface functionalization strategy. <i>Applied Surface Science</i> , 2022, 586, 152815.	6.1	16
7	Insertion of Hemin into Metal-Organic Frameworks: Mimicking Natural Peroxidase Microenvironment for the Rapid Ultrasensitive Detection of Uranium. <i>Analytical Chemistry</i> , 2022, 94, 6833-6841.	6.5	9
8	Template-Free In Situ Encapsulation of Enzymes in Hollow Covalent Organic Framework Capsules for the Electrochemical Analysis of Biomarkers. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 20641-20651.	8.0	34
9	Quantification of a volatile deuterated compound by the differential scanning calorimetry combined with quantitative nuclear magnetic resonance and its verification by the mass balance method combined with gas chromatography-mass spectrometry. <i>Talanta</i> , 2022, 246, 123538.	5.5	2
10	Oligonucleotide-Functionalized Enzymes Chemisorbing on Magnetic Layered Double Hydroxides: A Multimodal Catalytic Platform with Boosted Activity for Ultrasensitive Glucose Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 14995-15007.	8.0	18
11	An approach based on consecutive high-speed counter-current chromatography for preparation of an active compound rutin from <i>Apocynum venetum</i> L. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2021, 44, 395-402.	1.0	4
12	Fabrication of magnetic dual-hydrophilic metal organic framework for highly efficient glycopeptide enrichment. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 5267-5278.	3.7	12
13	NiCo <sub>2</sub> S <sub>4</sub> microflowers as peroxidase mimic: A multi-functional platform for colorimetric detection of glucose and evaluation of antioxidant behavior. <i>Talanta</i> , 2021, 230, 122337.	5.5	18
14	Janus DNA bridges metal-organic frameworks and graphene oxide for convenient and efficient multienzyme co-immobilization with boosted activity. <i>Applied Surface Science</i> , 2021, 570, 151242.	6.1	10
15	Occurrence of contaminants in drinking water sources and the potential of biochar for water quality improvement: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2020, 50, 549-611.	12.8	143
16	Comparative study on protein quantitation by digital PCR with G2-EPSPS as an example. <i>Microchemical Journal</i> , 2020, 157, 104954.	4.5	2
17	Oriented immobilization of enzyme-DNA conjugates on magnetic Janus particles for constructing a multicompartment multienzyme system with high activity and stability. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8467-8475.	5.8	9
18	Purity determination of pyributicarb by internal standard correction-high-performance liquid chromatography-quantitative nuclear magnetic resonance. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 6983-6993.	3.7	5

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19	Boronic acid-decorated metal-organic frameworks modified via a mixed-ligand strategy for the selective enrichment of cis-diol containing nucleosides. <i>Analytica Chimica Acta</i> , 2020, 1106, 42-51.	5.4	27
20	Exquisitely designed magnetic DNA nanocompartment for enzyme immobilization with adjustable catalytic activity and improved enzymatic assay performance. <i>Chemical Engineering Journal</i> , 2020, 390, 124488.	12.7	21
21	Comparative study on quantitation of human myoglobin by both isotope dilution mass spectrometry and surface plasmon resonance based on calibration-free analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 2777-2784.	3.7	4
22	Co <sub>2</sub> V <sub>2</sub> O <sub>7</sub> Particles with Intrinsic Multienzyme Mimetic Activities as an Effective Bioplatfor for Ultrasensitive Fluorometric and Colorimetric Biosensing. <i>ACS Applied Bio Materials</i> , 2020, 3, 1469-1480.	4.6	20
23	Metal-Organic Framework in Situ Post-Encapsulating DNA-Enzyme Composites on a Magnetic Carrier with High Stability and Reusability. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 7510-7517.	8.0	51
24	Controllable and high-performance immobilized enzyme reactor: DNA-directed immobilization of multienzyme in polyamidoamine dendrimer-functionalized capillaries. <i>Electrophoresis</i> , 2020, 41, 335-344.	2.4	11
25	Poly (Ionic Liquids) Functionalized Magnetic Nanoparticles as Efficient Adsorbent for Determination of Pyrethroids from Environmental Water Samples by GC-MS. <i>ChemistrySelect</i> , 2020, 5, 91-96.	1.5	11
26	Construction of multiple enzyme metal-organic frameworks biocatalyst via DNA scaffold: A promising strategy for enzyme encapsulation. <i>Chemical Engineering Journal</i> , 2019, 363, 174-182.	12.7	69
27	Self-assembly of a magnetic DNA hydrogel as a new biomaterial for enzyme encapsulation with enhanced activity and stability. <i>Chemical Communications</i> , 2019, 55, 2449-2452.	4.1	40
28	DNA-Directed Immobilized Enzymes on Recoverable Magnetic Nanoparticles Shielded in Nucleotide Coordinated Polymers. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 8585-8596.	3.7	15
29	Production of bioplastic through food waste valorization. <i>Environment International</i> , 2019, 127, 625-644.	10.0	328
30	Application of magnetized MOF-74 to phthalate esters extraction from Chinese liquor. <i>Journal of Separation Science</i> , 2019, 42, 1600-1609.	2.5	18
31	Highly Effective Removal of Pharmaceutical Compounds from Aqueous Solution by Magnetic Zr-Based MOFs Composites. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 3876-3884.	3.7	58
32	Fluoride capped V <sub>6</sub> O <sub>13</sub> -reduced graphene oxide nanocomposites: high activity oxidase mimetics and mechanism investigation. <i>New Journal of Chemistry</i> , 2019, 43, 19053-19062.	2.8	15
33	DNA-directed enzyme immobilization on Fe <sub>3</sub> O <sub>4</sub> modified with nitrogen-doped graphene quantum dots as a highly efficient and stable multi-catalyst system. <i>Journal of Materials Science</i> , 2019, 54, 2535-2551.	3.7	21
34	High performance liquid chromatography - Quantitative nuclear magnetic resonance - High performance liquid chromatography for purity measurement of human insulin. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2018, 41, 170-179.	1.0	3
35	Modification of polydopamine-coated Fe <sub>3</sub> O <sub>4</sub> nanoparticles with multi-walled carbon nanotubes for magnetic- <sup>14</sup> C-dispersive solid-phase extraction of antiepileptic drugs in biological matrices. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 3779-3788.	3.7	31
36	Attachment of enzymes to hydrophilic magnetic nanoparticles through DNA-directed immobilization with enhanced stability and catalytic activity. <i>New Journal of Chemistry</i> , 2018, 42, 8458-8468.	2.8	20

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37	DNA-directed trypsin immobilization on a polyamidoamine dendrimer-modified capillary to form a renewable immobilized enzyme microreactor. <i>International Journal of Biological Macromolecules</i> , 2018, 113, 38-44.	7.5	21
38	Preparation of iron-based MIL-101 functionalized polydopamine@Fe <sub>3</sub> O <sub>4</sub> magnetic composites for extracting sulfonylurea herbicides from environmental water and vegetable samples. <i>Journal of Separation Science</i> , 2018, 41, 2046-2055.	2.5	40
39	Intrinsic Triple-Enzyme Mimetic Activity of V <sub>6</sub> O <sub>13</sub> Nanotextiles: Mechanism Investigation and Colorimetric and Fluorescent Detections. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 2416-2425.	3.7	51
40	Self-sacrificial template synthesis of mixed-valence-state cobalt nanomaterials with high catalytic activities for colorimetric detection of glutathione. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 329-336.	7.8	25
41	SI-traceable calibration-free analysis for the active concentration of G2-EPSPS protein using surface plasmon resonance. <i>Talanta</i> , 2018, 178, 78-84.	5.5	6
42	Enhanced reusability and activity: DNA directed immobilization of enzyme on polydopamine modified magnetic nanoparticles. <i>Biochemical Engineering Journal</i> , 2018, 137, 108-115.	3.6	16
43	Multifunctional magnetic particles for effective suppression of non-specific adsorption and coimmobilization of multiple enzymes by DNA directed immobilization. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5718-5728.	5.8	26
44	Occurrences and removal of pharmaceuticals and personal care products (PPCPs) in drinking water and water/sewage treatment plants: A review. <i>Science of the Total Environment</i> , 2017, 596-597, 303-320.	8.0	1,131
45	Based on DNA Strand Displacement and Functionalized Magnetic Nanoparticles: A Promising Strategy for Enzyme Immobilization. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 5127-5137.	3.7	22
46	Efficient immobilization of enzymes onto magnetic nanoparticles by DNA strand displacement: a stable and high-performance biocatalyst. <i>New Journal of Chemistry</i> , 2017, 41, 6089-6097.	2.8	22
47	Self-assembled magnetic nanoparticle supported zeolitic imidazolate framework: An efficient adsorbent for the enrichment of triazine herbicides from fruit, vegetables, and water. <i>Journal of Separation Science</i> , 2017, 40, 909-918.	2.5	35
48	High Activity and Convenient Ratio Control: DNA-Directed Coimmobilization of Multiple Enzymes on Multifunctionalized Magnetic Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 37254-37263.	8.0	52
49	Fabrication of CeO <sub>2</sub> /rGO nanocomposites with oxidase-like activity and their application in colorimetric sensing of ascorbic acid. <i>Chemical Research in Chinese Universities</i> , 2017, 33, 540-545.	2.6	14
50	Co <sub>3</sub> O <sub>4</sub> /Reduced Graphene Oxide Nanocomposites as Effective Phosphotriesterase Mimetics for Degradation and Detection of Paraoxon. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 9762-9769.	3.7	27
51	Preparation of polyclonal antibody and development of a biotin-streptavidin-based ELISA method for detecting kanamycin in milk and honey. <i>Chemical Research in Chinese Universities</i> , 2017, 33, 876-881.	2.6	15
52	A self-directed and reconstructible immobilization strategy: DNA directed immobilization of alkaline phosphatase for enzyme inhibition assays. <i>RSC Advances</i> , 2016, 6, 36849-36856.	3.6	13
53	A universal SI-traceable isotope dilution mass spectrometry method for protein quantitation in a matrix by tandem mass tag technology. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3485-3493.	3.7	9
54	DNA directed immobilization enzyme on polyamidoamine tethered magnetic composites with high reusability and stability. <i>Journal of Materials Chemistry B</i> , 2016, 4, 5873-5882.	5.8	27

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55	Triple-enzyme mimetic activity of Co <sub>3</sub> O <sub>4</sub> nanotubes and their applications in colorimetric sensing of glutathione. <i>New Journal of Chemistry</i> , 2016, 40, 10056-10063.	2.8	48
56	Grafting L-valine on polyamidoamine dendrimer-modified magnetic microspheres for enantioselective adsorption of dansyl amino acids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 490, 241-249.	4.7	17
57	Preparation of novel ionic-liquid-modified magnetic nanoparticles by a microwave-assisted method for sulfonylurea herbicides extraction. <i>Journal of Separation Science</i> , 2015, 38, 3936-3944.	2.5	17
58	Microwave-assisted synthesis of poly(ionic liquid)-coated magnetic nanoparticles for the extraction of sulfonylurea herbicides from soil for HPLC. <i>Analytical Methods</i> , 2015, 7, 3246-3252.	2.7	26
59	Facile one-pot synthesis of $\beta$ -cyclodextrin-polymer-modified Fe <sub>3</sub> O <sub>4</sub> microspheres for stereoselective absorption of amino acid compounds. <i>Analytical Methods</i> , 2015, 7, 2754-2761.	2.7	26
60	A magnetic nanoscale Fe <sub>3</sub> O <sub>4</sub> / $\beta$ -CD composite as an efficient peroxidase mimetic for glucose detection. <i>Talanta</i> , 2015, 143, 457-463.	5.5	25
61	Microwave-assisted synthesis of ionic liquid-modified silica as a sorbent for the solid-phase extraction of phenolic compounds from water. <i>Analytical Methods</i> , 2014, 6, 704-709.	2.7	18
62	Microwave-assisted preparation of poly(ionic liquids)-modified magnetic nanoparticles for pesticide extraction. <i>Journal of Separation Science</i> , 2014, 37, 1503-1510.	2.5	30
63	Precise measurement for the purity of amino acid and peptide using quantitative nuclear magnetic resonance. <i>Talanta</i> , 2014, 125, 94-101.	5.5	33
64	Cationic $\beta$ -cyclodextrin-modified hybrid magnetic microspheres as chiral selectors for selective chiral absorption of dansyl amino acids. <i>New Journal of Chemistry</i> , 2014, 38, 3630-3636.	2.8	29
65	Immobilization of HSA on polyamidoamine-dendronized magnetic microspheres for application in direct chiral separation of racemates. <i>Journal of Materials Chemistry B</i> , 2014, 2, 775-782.	5.8	41
66	The quantification of human chorionic gonadotropin by two isotope dilution mass spectrometry methods. <i>Analytical Methods</i> , 2014, 6, 8690-8697.	2.7	3
67	Microwave-assisted preparation of magnetic nanoparticles modified with graphene oxide for the extraction and analysis of phenolic compounds. <i>Journal of Separation Science</i> , 2014, 37, 3339-3346.	2.5	23
68	Enantioselective absorption of enantiomers with maleic anhydride- $\beta$ -cyclodextrin modified magnetic microspheres. <i>RSC Advances</i> , 2014, 4, 58514-58521.	3.6	22
69	Fe <sub>3</sub> O <sub>4</sub> peroxidase mimetics as a general strategy for the fluorescent detection of H <sub>2</sub> O <sub>2</sub> -involved systems. <i>Talanta</i> , 2014, 130, 259-264.	5.5	46
70	Application of cellulase-polyamidoamine dendrimer-modified silica for microwave-assisted chitosan enzymolysis. <i>Process Biochemistry</i> , 2013, 48, 614-619.	3.7	17
71	Immobilization of cellulase on polyamidoamine dendrimer-grafted silica. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 89, 35-40.	1.8	49
72	Dendrimer modified magnetic nanoparticles for immobilized BSA: a novel chiral magnetic nano-selector for direct separation of racemates. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5028.	5.8	55

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73	IMMUNOEXTRACTION OF TESTOSTERONE AND EPITESTOSTERONE FROM HUMAN URINE SAMPLE BASED ON POLYAMIDOAMINE MODIFIED SILICA. <i>Journal of Immunoassay and Immunochemistry</i> , 2013, 34, 246-254.	1.1	1
74	Optimization of ionic liquid-based microwave-assisted dispersive liquid-liquid microextraction for the determination of plasticizers in water by response surface methodology. <i>Analytical Methods</i> , 2013, 5, 1033.	2.7	19
75	IONIC LIQUID-BASED MICROWAVE-ASSISTED EXTRACTION OF ORGANOCHLORINE PESTICIDES FROM SOIL. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2013, 36, 687-699.	1.0	6
76	Microwave-assisted preparation of a vancomycin modified open tubular capillary electrochromatography column for chiral separation. <i>Analytical Methods</i> , 2013, 5, 5753.	2.7	5
77	Ionic liquid-based solvent bar microextraction for determination of organophosphorus pesticides in water samples. <i>Analytical Methods</i> , 2013, 5, 5074.	2.7	19
78	Synthesis of teicoplanin-modified hybrid magnetic mesoporous silica nanoparticles and their application in chiral separation of racemic compounds. <i>Journal of Colloid and Interface Science</i> , 2013, 399, 107-114.	9.4	60
79	Magnetic nanoparticles coated with immobilized alkaline phosphatase for enzymolysis and enzyme inhibition assays. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1749.	5.8	52
80	Ionic liquid based microwave-assisted extraction of triazine and phenylurea herbicides from soil samples. <i>Analytical Methods</i> , 2012, 4, 983.	2.7	11
81	Online immobilized enzyme microreactor for the glucose oxidase enzymolysis and enzyme inhibition assay. <i>Analytical Biochemistry</i> , 2012, 427, 139-143.	2.4	31
82	In-situ ionic liquid-based microwave-assisted dispersive liquid-liquid microextraction of triazine herbicides. <i>Mikrochimica Acta</i> , 2012, 178, 341-347.	5.0	41
83	Development of hemoglobin A1c certified reference material by liquid chromatography isotope dilution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 549-554.	3.7	11
84	Comparison of microwave-assisted extraction of aloe-emodin in aloe with Soxhlet extraction and ultrasound-assisted extraction. <i>Science China Chemistry</i> , 2011, 54, 231-236.	8.2	14
85	Synthesis of polyamidoamine dendrimer-grafted silica with microwave assisted protocol. <i>Reactive and Functional Polymers</i> , 2010, 70, 129-133.	4.1	33
86	Polyamidoamine dendrimer as a spacer for the immobilization of glucose oxidase in capillary enzyme microreactor. <i>Analytical Biochemistry</i> , 2010, 405, 230-235.	2.4	37
87	Microwave-Assisted Preparation of a $\beta$ -Cyclodextrin-Based Stationary Phase for Open Tubular Capillary Electrochromatography. <i>Analytical Letters</i> , 2010, 43, 2372-2380.	1.8	8
88	Microwave-assisted extraction of rutin and quercetin from the stalks of <i>Euonymus alatus</i> (Thunb.) Sieb. <i>Phytochemical Analysis</i> , 2009, 20, 33-37.	2.4	57