

Yingchun Li

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

3,214
citations

126858

33
h-index

149623

56
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61
all docs

61
docs citations

61
times ranked

3845
citing authors

#	ARTICLE	IF	CITATIONS
1	MXene-Enabled Electrochemical Microfluidic Biosensor: Applications toward Multicomponent Continuous Monitoring in Whole Blood. <i>Advanced Functional Materials</i> , 2019, 29, 1807326.	7.8	301
2	Simultaneous voltammetric determination of acetaminophen and isoniazid using MXene modified screen-printed electrode. <i>Biosensors and Bioelectronics</i> , 2019, 130, 315-321.	5.3	207
3	Recent Advances in Emerging 2D Material-Based Gas Sensors: Potential in Disease Diagnosis. <i>Advanced Materials Interfaces</i> , 2019, 6, 1901329.	1.9	169
4	Molecularly imprinted polymer-decorated signal on-off ratiometric electrochemical sensor for selective and robust dopamine detection. <i>Biosensors and Bioelectronics</i> , 2019, 135, 224-230.	5.3	138
5	Recent advances of two-dimensional materials in smart drug delivery nano-systems. <i>Bioactive Materials</i> , 2020, 5, 1071-1086.	8.6	119
6	Supportless electrochemical sensor based on molecularly imprinted polymer modified nanoporous microrod for determination of dopamine at trace level. <i>Biosensors and Bioelectronics</i> , 2016, 78, 308-314.	5.3	112
7	2D visible-light-driven TiO ₂ @Ti ₃ C ₂ /g-C ₃ N ₄ ternary heterostructure for high photocatalytic activity. <i>Journal of Materials Science</i> , 2019, 54, 9385-9396.	1.7	106
8	A green adsorbent derived from banana peel for highly effective removal of heavy metal ions from water. <i>RSC Advances</i> , 2016, 6, 45041-45048.	1.7	96
9	MXene with Great Adsorption Ability toward Organic Dye: An Excellent Material for Constructing a Ratiometric Electrochemical Sensing Platform. <i>ACS Sensors</i> , 2019, 4, 2058-2064.	4.0	91
10	A novel electrochemical sensor based on Cu@Ni/MWCNTs nanocomposite for simultaneous determination of guanine and adenine. <i>Biosensors and Bioelectronics</i> , 2018, 102, 389-395.	5.3	86
11	A robust electrochemical sensing of molecularly imprinted polymer prepared by using bifunctional monomer and its application in detection of cypermethrin. <i>Biosensors and Bioelectronics</i> , 2019, 127, 207-214.	5.3	81
12	Novel Electrochemical Sensing Platform Based on a Molecularly Imprinted Polymer Decorated 3D Nanoporous Nickel Skeleton for Ultrasensitive and Selective Determination of Metronidazole. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 15474-15480.	4.0	75
13	Molecularly imprinted polymer decorated nanoporous gold for highly selective and sensitive electrochemical sensors. <i>Scientific Reports</i> , 2015, 5, 7699.	1.6	72
14	Ratiometric Electrochemical Sensors Associated with Self-Cleaning Electrodes for Simultaneous Detection of Adrenaline, Serotonin, and Tryptophan. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13557-13563.	4.0	67
15	Fabrication of ultra-sensitive and selective dopamine electrochemical sensor based on molecularly imprinted polymer modified graphene@carbon nanotube foam. <i>Electrochemistry Communications</i> , 2016, 64, 42-45.	2.3	65
16	A robust electrochemical sensing platform using carbon paste electrode modified with molecularly imprinted microsphere and its application on methyl parathion detection. <i>Biosensors and Bioelectronics</i> , 2018, 106, 71-77.	5.3	63
17	Electrochemical microfluidic chip based on molecular imprinting technique applied for therapeutic drug monitoring. <i>Biosensors and Bioelectronics</i> , 2017, 91, 714-720.	5.3	60
18	Electrochemical sensing platform based on molecularly imprinted polymer decorated N,S co-doped activated graphene for ultrasensitive and selective determination of cyclophosphamide. <i>Talanta</i> , 2017, 164, 601-607.	2.9	59

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19	Application of Multiplex Microfluidic Electrochemical Sensors in Monitoring Hematological Tumor Biomarkers. <i>Analytical Chemistry</i> , 2020, 92, 11981-11986.	3.2	57
20	Preparation of molecularly imprinted polymer with double templates for rapid simultaneous determination of melamine and dicyandiamide in dairy products. <i>Talanta</i> , 2015, 134, 761-767.	2.9	49
21	Simultaneous voltammetric determination of dopamine and uric acid using carbon-encapsulated hollow Fe ₃ O ₄ nanoparticles anchored to an electrode modified with nanosheets of reduced graphene oxide. <i>Mikrochimica Acta</i> , 2017, 184, 843-853.	2.5	47
22	A free-standing electrochemical sensor based on graphene foam-carbon nanotube composite coupled with gold nanoparticles and its sensing application for electrochemical determination of dopamine and uric acid. <i>Journal of Electroanalytical Chemistry</i> , 2017, 801, 129-134.	1.9	47
23	Optoelectronic Gas Sensor Based on Few-Layered InSe Nanosheets for NO ₂ Detection with Ultrahigh Antihumidity Ability. <i>Analytical Chemistry</i> , 2020, 92, 11277-11287.	3.2	47
24	A novel electrochemical sensor based on molecularly imprinted polymer modified hollow N, S-Mo ₂ C/C spheres for highly sensitive and selective carbendazim determination. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111491.	5.3	46
25	Electrochemical sensor based on molecularly imprinted polymer for sensitive and selective determination of metronidazole via two different approaches. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 4287-4295.	1.9	45
26	Ferulic Acid Improves Depressive-Like Behavior in Prenatally-Stressed Offspring Rats via Anti-Inflammatory Activity and HPA Axis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 493.	1.8	45
27	Mechanism studies of LiFePO ₄ cathode material: lithiation/delithiation process, electrochemical modification and synthetic reaction. <i>RSC Advances</i> , 2014, 4, 54576-54602.	1.7	44
28	A near-infrared ratiometric/turn-on fluorescent probe for in vivo imaging of hydrogen peroxide in a murine model of acute inflammation. <i>Analytica Chimica Acta</i> , 2018, 1024, 169-176.	2.6	41
29	Positively Charged Polysulfonamide Nanocomposite Membranes Incorporating Hydrophilic Triazine-Structured COFs for Highly Efficient Nanofiltration. <i>ACS Applied Nano Materials</i> , 2020, 3, 9329-9339.	2.4	41
30	Molecularly imprinted polymer functionalized nanoporous Au-Ag alloy microrod: Novel supportless electrochemical platform for ultrasensitive and selective sensing of metronidazole. <i>Electrochimica Acta</i> , 2016, 208, 10-16.	2.6	38
31	Ultrasensitive and selective assay of glutathione species in arsenic trioxide-treated leukemia HL-60 cell line by molecularly imprinted polymer decorated electrochemical sensors. <i>Biosensors and Bioelectronics</i> , 2016, 80, 491-496.	5.3	38
32	Synthesis of hollow Mo ₂ C/carbon spheres, and their application to simultaneous electrochemical detection of hydroquinone, catechol, and resorcinol. <i>Mikrochimica Acta</i> , 2019, 186, 306.	2.5	38
33	Dual-Mode Sensing Platform for Electrochemiluminescence and Colorimetry Detection Based on a Closed Bipolar Electrode. <i>Analytical Chemistry</i> , 2021, 93, 12367-12373.	3.2	37
34	Synthesis of metronidazole-imprinted molecularly imprinted polymers by distillation precipitation polymerization and their use as a solid-phase adsorbent and chromatographic filler. <i>Journal of Separation Science</i> , 2015, 38, 1172-1178.	1.3	36
35	Hydrogel-Involved Colorimetric Platforms Based on Layered Double Oxide Nanozymes for Point-of-Care Detection of Liver-Related Biomarkers. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 6985-6993.	4.0	36
36	Preparation of molecularly imprinted polymeric microspheres based on distillation precipitation polymerization for an ultrasensitive electrochemical sensor. <i>Analyst</i> , 2017, 142, 1091-1098.	1.7	34

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37	A novel sensitive and selective electrochemical sensor based on molecularly imprinted polymer on a nanoporous gold leaf modified electrode for warfarin sodium determination. <i>RSC Advances</i> , 2016, 6, 43724-43731.	1.7	33
38	Simultaneous determination of paracetamol and p-aminophenol using glassy carbon electrode modified with nitrogen- and sulfur- co-doped carbon dots. <i>Mikrochimica Acta</i> , 2019, 186, 733.	2.5	33
39	Voltammetric lidocaine sensor by using a glassy carbon electrode modified with porous carbon prepared from a MOF, and with a molecularly imprinted polymer. <i>Mikrochimica Acta</i> , 2018, 185, 78.	2.5	32
40	A ratiometric electrochemiluminescence sensing platform for robust ascorbic acid analysis based on a molecularly imprinted polymer modified bipolar electrode. <i>Biosensors and Bioelectronics</i> , 2020, 167, 112490.	5.3	32
41	Novel molecularly imprinted polymer (MIP) multiple sensors for endogenous redox couples determination and their applications in lung cancer diagnosis. <i>Talanta</i> , 2019, 199, 573-580.	2.9	30
42	A Fully Integrated Flexible Tunable Chemical Sensor Based on Gold-Modified Indium Selenide Nanosheets. <i>ACS Sensors</i> , 2022, 7, 1183-1193.	4.0	29
43	3D nitrogen-doped graphite foam@Prussian blue: an electrochemical sensing platform for highly sensitive determination of H ₂ O ₂ and glucose. <i>Mikrochimica Acta</i> , 2018, 185, 86.	2.5	28
44	An electrochemical sensor based on MOF-derived NiO@ZnO hollow microspheres for isoniazid determination. <i>Mikrochimica Acta</i> , 2020, 187, 380.	2.5	27
45	Selective detection of glutathione by flower-like NiV ₂ O ₆ with only peroxidase-like activity at neutral pH. <i>Talanta</i> , 2021, 234, 122645.	2.9	26
46	Integrated hand-held electrochemical sensor for multicomponent detection in urine. <i>Biosensors and Bioelectronics</i> , 2021, 193, 113534.	5.3	25
47	Facile reduction of aromatic nitro compounds to aromatic amines catalysed by support-free nanoporous silver. <i>RSC Advances</i> , 2015, 5, 30062-30066.	1.7	24
48	A versatile ratiometric electrochemical sensing platform based on N-Mo ₂ C for detection of m-nitrophenol. <i>Biosensors and Bioelectronics</i> , 2019, 144, 111663.	5.3	24
49	Novel electrochemical sensing platform based on integration of molecularly imprinted polymer with Au@Ag hollow nanoshell for determination of resveratrol. <i>Talanta</i> , 2019, 196, 479-485.	2.9	22
50	Rational design of a novel turn-on fluorescent probe for the detection and bioimaging of hydrazine with barbituric acid as a recognition group. <i>Analyst</i> , 2020, 145, 636-642.	1.7	18
51	Synthesis and Characterization of Hydrophilic Trityl Radical TFO for Biomedical and Biophysical Applications. <i>Chemistry - A European Journal</i> , 2019, 25, 7888-7895.	1.7	16
52	A paper-based microfluidic sensor array combining molecular imprinting technology and carbon quantum dots for the discrimination of nitrophenol isomers. <i>Journal of Hazardous Materials</i> , 2022, 435, 129012.	6.5	13
53	Preparation and characterization of erythromycin molecularly imprinted polymers based on distillation-precipitation polymerization. <i>Journal of Separation Science</i> , 2015, 38, 3103-3109.	1.3	12
54	Double signal amplification through a functionalized nanoporous Au@Ag alloy microwire and Au nanoparticles: development of an electrochemical E TM OH sensor based on a self-assembled layer of 6-(ferrocenyl)hexanethiol. <i>Chemical Communications</i> , 2019, 55, 2425-2428.	2.2	12

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55	Recognition mechanism of molecularly imprinted polymers by aggregation-induced emission. <i>Journal of Materials Chemistry C</i> , 2020, 8, 13574-13581.	2.7	10
56	A bifunctional electrochemical sensor for simultaneous determination of electroactive and non-electroactive analytes: A universal yet very effective platform serving therapeutic drug monitoring. <i>Biosensors and Bioelectronics</i> , 2022, 208, 114233.	5.3	10
57	Morphology, mechanical property, and processing thermal stability of PVC/La-OMMTs nanocomposites prepared via <i>in situ</i> intercalative polymerization. <i>Journal of Vinyl and Additive Technology</i> , 2020, 26, 97-108.	1.8	8
58	Rolling up of 2D nanosheets into 1D Nanoscrolls: Visible-Light-Activated chemiresistors based on surface modified indium selenide with enhanced sensitivity and stability. <i>Chemical Engineering Journal</i> , 2022, 446, 136937.	6.6	8
59	Synthesis of Central Chirality-Containing Triarylmethanols and Triarylmethyl Radicals with Extraordinarily Stable Configurations. <i>Journal of Organic Chemistry</i> , 2019, 84, 11774-11782.	1.7	5
60	Asymmetric Somatic Hybridization Affects Synonymous Codon Usage Bias in Wheat. <i>Frontiers in Genetics</i> , 2021, 12, 682324.	1.1	3
61	Hand-Held and Integrated Tubular Tip-like Sensing Platform Series: Point-of-care Device for Semi-automated Multiplexed Assay. <i>Analytical Chemistry</i> , 2021, 93, 15534-15542.	3.2	1