

Meichuan Liu

List of Publications by Year in descending order

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236833

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citing authors

#	ARTICLE	IF	CITATIONS
1	Visible-light-driven molecularly imprinted self-powered sensor for atrazine with high sensitivity and selectivity by separating photoanode from recognition element. <i>Sensors and Actuators B: Chemical</i> , 2022, 360, 131670.	4.0	10
2	In situ monitoring of the selective adsorption mechanism of small environmental pollutant molecules on aptasensor interface by attenuated total reflection surface enhanced infrared absorption spectroscopy (ATR-SEIRAS). <i>Journal of Hazardous Materials</i> , 2021, 403, 123953.	6.5	14
3	Enzyme-Free Molecularly Imprinted and Graphene-Functionalized Photoelectrochemical Sensor Platform for Pollutants. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 37212-37222.	4.0	27
4	Construction of a Reduced Graphene Oxide/TiO ₂ Nanotube Structure by the Click Reaction for Photoanodes. <i>ACS Applied Nano Materials</i> , 2021, 4, 13543-13551.	2.4	4
5	A novel self-powered aptasensor for environmental pollutants detection based on simple and efficient enzymatic biofuel cell. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127468.	4.0	14
6	Enhanced trichloroethylene dechlorination by carbon-modified zero-valent iron: Revisiting the role of carbon additives. <i>Journal of Hazardous Materials</i> , 2020, 394, 122564.	6.5	49
7	Identification of the role of Cu site in Ni-Cu hydroxide for robust and high selective electrochemical ammonia oxidation to nitrite. <i>Electrochimica Acta</i> , 2020, 345, 136157.	2.6	51
8	Visible-light-driven photoelectrochemical aptasensor based on reduced graphene oxide/TiO ₂ @Fe ₃ O ₄ nanotube arrays for highly sensitive and selective determination of microcystin-LR. <i>Electrochimica Acta</i> , 2019, 324, 134820.	2.6	28
9	Immobilization-free photoelectrochemical aptasensor for environmental pollutants: Design, fabrication and mechanism. <i>Biosensors and Bioelectronics</i> , 2019, 140, 111352.	5.3	38
10	A simple and highly selective electrochemical label-free aptasensor of 17 β -estradiol based on signal amplification of bi-functional graphene. <i>Talanta</i> , 2019, 194, 266-272.	2.9	40
11	A simple, supersensitive and highly selective electrochemical aptasensor for Microcystin-LR based on synergistic signal amplification strategy with graphene, DNase I enzyme and Au nanoparticles. <i>Electrochimica Acta</i> , 2019, 293, 220-229.	2.6	23
12	Enhanced Reactivity and Electron Selectivity of Sulfidated Zerovalent Iron toward Chromate under Aerobic Conditions. <i>Environmental Science & Technology</i> , 2018, 52, 2988-2997.	4.6	207
13	A pM leveled photoelectrochemical sensor for microcystin-LR based on surface molecularly imprinted TiO ₂ @CNTs nanostructure. <i>Journal of Hazardous Materials</i> , 2017, 331, 309-320.	6.5	81
14	Selective Electrocatalytic Degradation of Odorous Mercaptans Derived from S-Au Bond Recognition on a Dendritic Gold/Boron-Doped Diamond Composite Electrode. <i>Environmental Science & Technology</i> , 2017, 51, 8067-8076.	4.6	42
15	Photoelectrochemical Aptasensor for the Sensitive Detection of Microcystin-LR Based on Graphene Functionalized Vertically Aligned TiO ₂ Nanotubes. <i>Electroanalysis</i> , 2016, 28, 161-168.	1.5	34
16	High-Yield and Selective Photoelectrocatalytic Reduction of CO ₂ to Formate by Metallic Copper Decorated Co ₃ O ₄ Nanotube Arrays. <i>Environmental Science & Technology</i> , 2015, 49, 5828-5835.	4.6	155
17	A Femtomolar Level and Highly Selective 17 β -estradiol Photoelectrochemical Aptasensor Applied in Environmental Water Samples Analysis. <i>Environmental Science & Technology</i> , 2014, 48, 5754-5761.	4.6	116
18	A Femtomolar Level 17 β -estradiol Electrochemical Aptasensor Constructed On Hierarchical Dendritic Gold Modified Boron-Doped Diamond Electrode. <i>Electrochimica Acta</i> , 2014, 137, 146-153.	2.6	69

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19	A Novel Photoelectrochemical Sensor for Bisphenol A with High Sensitivity and Selectivity Based on Surface Molecularly Imprinted Polypyrrole Modified TiO ₂ Nanotubes. <i>Electroanalysis</i> , 2013, 25, 771-779.	1.5	62
20	Aptamer-based colorimetric sensing of acetamiprid in soil samples: Sensitivity, selectivity and mechanism. <i>Journal of Hazardous Materials</i> , 2013, 260, 754-761.	6.5	165
21	Synergistic Photoelectrochemical Synthesis of Formate from CO ₂ on {121̄...} Hierarchical Co ₃ O ₄ . <i>Journal of Physical Chemistry C</i> , 2013, 117, 26432-26440.	1.5	62
22	A highly selective electrochemical impedance spectroscopy-based aptasensor for sensitive detection of acetamiprid. <i>Biosensors and Bioelectronics</i> , 2013, 43, 12-18.	5.3	190
23	Direct Electrochemistry of Hemoglobin on Vertically Aligned Carbon Hybrid TiO ₂ Nanotubes and Its Highly Sensitive Biosensor Performance. <i>Chinese Journal of Chemistry</i> , 2013, 31, 215-220.	2.6	10
24	A Visible-Light Driven Photoelectrochemical Aptasensor for Endocrine Disrupting Chemicals Bisphenol A with High Sensitivity and Specificity. <i>Electroanalysis</i> , 2013, 25, 1787-1795.	1.5	26
25	Rapid and sensitive amperometric determination of hydrogen peroxide with a biosensor based on a carboxyphenyl functionalised boron-doped diamond electrode. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 534-547.	1.8	9
26	Fabrication of a Novel and Simple Microcystin-LR Photoelectrochemical Sensor with High Sensitivity and Selectivity. <i>Environmental Science & Technology</i> , 2012, 46, 11955-11961.	4.6	79
27	Construction of a carbon nanotube/diamond hybrid functionalized electrode surface. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 221-224.	1.2	13
28	A Simple, Stable and Picomole Level Lead Sensor Fabricated on DNA-based Carbon Hybridized TiO ₂ Nanotube Arrays. <i>Environmental Science & Technology</i> , 2010, 44, 4241-4246.	4.6	56
29	Fabrication of a Novel Atrazine Biosensor and Its Subpart-per-Trillion Levels Sensitive Performance. <i>Environmental Science & Technology</i> , 2010, 44, 7878-7883.	4.6	50
30	Integrated Biological and Electrochemical Oxidation Treatment for High Toxicity Pesticide Pollutant. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 5496-5503.	1.8	39
31	Fabrication, Characterization, and Photoelectrocatalytic Application of ZnO Nanorods Grafted on Vertically Aligned TiO ₂ Nanotubes. <i>Journal of Physical Chemistry C</i> , 2009, 113, 19067-19076.	1.5	105
32	Fabrication and High Electrocatalytic Activity of Three-Dimensional Porous Nanosheet Pt/Boron-Doped Diamond Hybrid Film. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13787-13792.	1.5	45
33	Electrode modified with toluidine blue-doped silica nanoparticles, and its use for enhanced amperometric sensing of hemoglobin. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 1951-1959.	1.9	19
34	Carboxyphenyl Covalent Immobilization of Heme Proteins and its Favorable Biocompatible Electrochemical and Electrocatalytic Characteristics. <i>Electroanalysis</i> , 2008, 20, 900-906.	1.5	11
35	Enhanced electron transfer by bovine serum albumin covalently attached to glassy carbon electrode and its application to determination of hydroquinone. <i>International Journal of Environmental Analytical Chemistry</i> , 2008, 88, 571-582.	1.8	1
36	Growth and Favorable Bioelectrocatalysis of Multishaped Nanocrystal Au in Vertically Aligned TiO ₂ Nanotubes for Hemoprotein. <i>Journal of Physical Chemistry C</i> , 2008, 112, 14786-14795.	1.5	70

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37	Simple and Feasible Simultaneous Determination of Three Phenolic Pollutants on Boron-Doped Diamond Film Electrode. <i>Electroanalysis</i> , 2007, 19, 1933-1938.	1.5	36