

# Shan-Shan Li

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6867511/publications.pdf>

Version: 2024-02-01

37  
papers

1,536  
citations

279798

23  
h-index

330143

37  
g-index

39  
all docs

39  
docs citations

39  
times ranked

2027  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Confined Metallosupramolecular Architectures: Formation and Scanning Tunneling Microscopy Characterization. <i>Accounts of Chemical Research</i> , 2009, 42, 249-259.	15.6	172
2	Iron Oxide with Different Crystal Phases ( $\hat{1}\pm$ - and $\hat{1}^3$ - $\text{Fe}_{2\text{O}_3}$ ) in Electroanalysis and Ultrasensitive and Selective Detection of Lead(II): An Advancing Approach Using XPS and EXAFS. <i>Analytical Chemistry</i> , 2016, 88, 906-914.	6.5	123
3	Surface Fe(II)/Fe(III) Cycle Promoted Ultra-Highly Sensitive Electrochemical Sensing of Arsenic(III) with Dumbbell-Like $\text{Au/Fe}_3\text{O}_4$ Nanoparticles. <i>Analytical Chemistry</i> , 2018, 90, 4569-4577.	6.5	105
4	Adsorbent Assisted <i>in Situ</i> Electrocatalysis: An Ultra-Sensitive Detection of As(III) in Water at $\text{Fe}_3\text{O}_4$ Nanosphere Densely Decorated with Au Nanoparticles. <i>Analytical Chemistry</i> , 2016, 88, 1154-1161.	6.5	90
5	Control of Supramolecular Rectangle Self-Assembly with a Molecular Template. <i>Journal of the American Chemical Society</i> , 2007, 129, 9268-9269.	13.7	83
6	Flexible nitrogen-doped graphene/carbon nanotube/ $\text{Co}_3\text{O}_4$ paper and its oxygen reduction activity. <i>Nanoscale</i> , 2014, 6, 7534-7541.	5.6	75
7	Competitive adsorption behavior toward metal ions on nano-Fe/Mg/Ni ternary layered double hydroxide proved by XPS: Evidence of selective and sensitive detection of Pb(II). <i>Journal of Hazardous Materials</i> , 2017, 338, 1-10.	12.4	72
8	Sensitive and selective electrochemical detection of heavy metal ions using amino-functionalized carbon microspheres. <i>Journal of Electroanalytical Chemistry</i> , 2016, 760, 143-150.	3.8	67
9	Noble-Metal-Free $\text{Co}_{0.6}\text{Fe}_{2.4}\text{O}_4$ Nanocubes Self-Assembly Monolayer for Highly Sensitive Electrochemical Detection of As(III) Based on Surface Defects. <i>Analytical Chemistry</i> , 2018, 90, 1263-1272.	6.5	66
10	Electrochemical spectral methods for trace detection of heavy metals: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 106, 139-150.	11.4	66
11	High Electrochemical Sensitivity of $\text{TiO}_2$ Nanosheets and an Electron-Induced Mutual Interference Effect toward Heavy Metal Ions Demonstrated Using X-ray Absorption Fine Structure Spectra. <i>Analytical Chemistry</i> , 2018, 90, 4328-4337.	6.5	52
12	Defect- and phase-engineering of Mn-mediated $\text{MoS}_2$ nanosheets for ultrahigh electrochemical sensing of heavy metal ions: chemical interaction-driven <i>in situ</i> catalytic redox reactions. <i>Chemical Communications</i> , 2018, 54, 9329-9332.	4.1	51
13	Sensitive and interference-free electrochemical determination of Pb(II) in wastewater using porous Ce-Zr oxide nanospheres. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 1009-1020.	7.8	46
14	Time-Dependent Organization and Wettability of Decanethiol Self-Assembled Monolayer on Au(111) Investigated with STM. <i>Journal of Physical Chemistry B</i> , 2006, 110, 1794-1799.	2.6	39
15	In Situ Underwater Laser-Induced Breakdown Spectroscopy Analysis for Trace Cr(VI) in Aqueous Solution Supported by Electrosorption Enrichment and a Gas-Assisted Localized Liquid Discharge Apparatus. <i>Analytical Chemistry</i> , 2017, 89, 5557-5564.	6.5	35
16	Insights into diverse performance for the electroanalysis of Pb(II) on $\text{Fe}_2\text{O}_3$ nanorods and hollow nanocubes: Toward analysis of adsorption sites. <i>Electrochimica Acta</i> , 2018, 288, 42-51.	5.2	34
17	Synergistic catalysis of N vacancies and $\sim 45$ nm Au nanoparticles promoted the highly sensitive electrochemical determination of lead using an Au/N-deficient- $\text{C}_3\text{N}_4$ nanocomposite. <i>Environmental Science: Nano</i> , 2019, 6, 1895-1908.	4.3	32
18	An ultra-sensitive electrochemical sensor of Ni/Fe-LDH toward nitrobenzene with the assistance of surface functionalization engineering. <i>Talanta</i> , 2021, 225, 122087.	5.5	29

#	ARTICLE	IF	CITATIONS
19	Interlayer expanded nickel-iron layered double hydroxide by intercalation with sodium dodecyl sulfate for enhanced oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2021, 882, 160752.	5.5	27
20	Crystal phase determined Fe active sites on Fe <sub>2</sub> O <sub>3</sub> ( $\hat{I}^3$ - and $\hat{I}^\pm$ -Fe <sub>2</sub> O <sub>3</sub> ) yolk-shell microspheres and their phase dependent electrocatalytic oxygen evolution reaction. <i>Applied Surface Science</i> , 2020, 533, 147368.	6.1	26
21	Oxygen vacancy enhanced Co <sub>3</sub> O <sub>4</sub> /ZnO nanocomposite with small sized and loose structure for sensitive electroanalysis of Hg(II) in subsidence area water. <i>Sensors and Actuators B: Chemical</i> , 2021, 326, 128967.	7.8	26
22	Hypersensitized electrochemical detection of Hg(II) based on tunable sulfur-doped porous Co <sub>3</sub> O <sub>4</sub> nanosheets: Promotion Co <sup>2+</sup> /Co <sup>3+</sup> valence change cycle and adsorption via introducing S. <i>Chemical Engineering Journal</i> , 2022, 435, 134950.	12.7	26
23	Electrochemical laser induced breakdown spectroscopy for enhanced detection of Cd(II) without interference in rice on layer-by-layer assembly of graphene oxides. <i>Electrochimica Acta</i> , 2016, 216, 188-195.	5.2	24
24	Electrochemically etched gold wire microelectrode for the determination of inorganic arsenic. <i>Electrochimica Acta</i> , 2017, 231, 238-246.	5.2	21
25	Shape dependent stripping behavior of Au nanoparticles toward arsenic detection: evidence of enhanced sensitivity on the Au (111) facet. <i>RSC Advances</i> , 2016, 6, 30337-30344.	3.6	20
26	Superior conductivity FeSe <sub>2</sub> for highly sensitive electrochemical detection of p-nitrophenol and o-nitrophenol based on synergistic effect of adsorption and catalysis. <i>Sensors and Actuators B: Chemical</i> , 2021, 348, 130692.	7.8	20
27	Engineering Co <sup>2+</sup> /Co <sup>3+</sup> redox activity of Ni-mediated porous Co <sub>3</sub> O <sub>4</sub> nanosheets for superior Hg(II) electrochemical sensing: Insight into the effect of valence change cycle and oxygen vacancy on electroanalysis. <i>Sensors and Actuators B: Chemical</i> , 2022, 354, 131095.	7.8	19
28	Sensitive detection of As(III) on Fe <sub>3</sub> O <sub>4</sub> /MoS <sub>2</sub> through interfacial engineering to accelerate the Fe <sup>2+</sup> /Fe <sup>3+</sup> cycle: Identifying the dominant role of electron transfer induced by valence change in synergistic electroanalysis. <i>Sensors and Actuators B: Chemical</i> , 2022, 366, 132022.	7.8	16
29	The selective capture of Pb <sup>2+</sup> in rice phloem sap using glutathione-functionalized gold nanoparticles/multi-walled carbon nanotubes: enhancing anti-interference electrochemical detection. <i>Environmental Science: Nano</i> , 2018, 5, 2761-2771.	4.3	12
30	An atomically thick titanium phosphate thin layer with enhancing electrochemical sensitivity toward Pb(II). <i>RSC Advances</i> , 2016, 6, 72975-72984.	3.6	11
31	Engineering surface electron and active site at electrochemical sensing interface of CN vacancy-mediated Prussian blue analogue for analysis of heavy metal ions. <i>Applied Surface Science</i> , 2021, 564, 150131.	6.1	11
32	Engineering multi-shell Mn-Co oxide for ultrasensitive electroanalysis of Pb(II) in mining subsidence area water with promotion of adsorption and electron mediation: Behaviors and mechanisms of Mn(II)/Mn(III) and Co(II)/Co(III) cycles. <i>Electrochimica Acta</i> , 2020, 360, 136991.	5.2	10
33	Changing the Blood Test: Accurate Determination of Mercury(II) in One Microliter of Blood Using Oriented ZnO Nanobelt Array Film Solution-Gated Transistor Chips. <i>Small</i> , 2019, 15, e1902433.	10.0	9
34	Zero-valent iron nanomaterial Fe <sup>0</sup> @Fe <sub>2</sub> MnO <sub>4</sub> for ultrasensitive electroanalysis of As(III): Fe <sup>0</sup> influenced surficial redox potential. <i>Chemical Communications</i> , 2021, 57, 1324-1327.	4.1	9
35	Cobalt encapsulated in bamboo-like N-doped carbon nanotubes for highly sensitive electroanalysis of Pb(II): enhancement based on adsorption and catalysis. <i>Analytical Methods</i> , 2021, 13, 2147-2156.	2.7	8
36	MOLECULAR TEMPLATES FOR CONTROLLING AND ORDERING ORGANIC MOLECULES ON SOLID SURFACES. <i>Nano</i> , 2012, 07, 1230001.	1.0	3

#	ARTICLE	IF	CITATIONS
37	Hollow aluminosilicate microspheres with increased surface hydroxyl groups by etching method for electrochemical detection of Hg(II). <i>Microchemical Journal</i> , 2022, 180, 107610.	4.5	1