Shouzhong Zou

List of Publications by Year
in descending order

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Version: 2024-02-01

74 papers	5,134 citations	101543 36 h-index	102487 66 g-index
77 all docs	77 docs citations	77 times ranked	6020 citing authors

#	Article	IF	Citations
1	Modified Sawhorse Waveform for the Voltammetric Detection of Oxytocin. Journal of the Electrochemical Society, 2022, 169, 017512.	2.9	3
2	Spinach-Derived Porous Carbon Nanosheets as High-Performance Catalysts for Oxygen Reduction Reaction. ACS Omega, 2020, 5, 24367-24378.	3.5	29
3	Superconformal Cu Electrodeposition. ECS Meeting Abstracts, 2020, MA2020-01, 1154-1154.	0.0	0
4	Formic Acid Oxidation on Pd Thin Film Coated Au Nanocrystals. Surfaces, 2019, 2, 372-386.	2.3	5
5	Gold Nanoparticle Modified Carbon Fiber Microelectrodes for Enhanced Neurochemical Detection. Journal of Visualized Experiments, 2019, , .	0.3	13
6	PtNi Nanoparticles Encapsulated in Few Carbon Layers as High-Performance Catalysts for Oxygen Reduction Reaction. ACS Applied Energy Materials, 2019, 2, 2769-2778.	5.1	21
7	(Invited) Superconformal Electrodeposition. ECS Meeting Abstracts, 2019, , .	0.0	0
8	SEIRAS Study of Chloride-Mediated Polyether Adsorption on Cu. Journal of Physical Chemistry C, 2018, 122, 21933-21951.	3.1	48
9	Cobalt and nitrogen-codoped ordered mesoporous carbon as highly efficient bifunctional catalysts for oxygen reduction and hydrogen evolution reactions. Journal of Materials Chemistry A, 2018, 6, 17067-17074.	10.3	41
10	Superconformal Cu Electrodeposition. ECS Meeting Abstracts, 2018, , .	0.0	0
11	Superconformal Cu Electrodeposition: Seiras and STM Study of the Polyether-SPS-Cl System. ECS Meeting Abstracts, 2018, , .	0.0	0
12	SEIRAS Study of Chloride-Mediated Polyether Adsorption on Cu. Journal of Physical Chemistry C, 2018, 122, .	3.1	3
13	High-Indexed Pt₃Ni Alloy Tetrahexahedral Nanoframes Evolved through Preferential CO Etching. Nano Letters, 2017, 17, 2204-2210.	9.1	113
14	MoS₂ Nanosheets Supported on Hollow Carbon Spheres as Efficient Catalysts for Electrochemical Hydrogen Evolution Reaction. ACS Omega, 2017, 2, 5087-5094.	3.5	38
15	(Invited) Superconformal Film Growth:Impact of Additives and Deposition on Hydrophilicity. ECS Meeting Abstracts, 2017, , .	0.0	0
16	Biomass-Derived Porous Carbon As Noble-Metal Free Catalysts for Oxygen Reduction Reaction. ECS Meeting Abstracts, 2017, , .	0.0	0
17	Co, N-Doped Carbon Nanomaterial As a High-Performance Catalyst for Oxygen Reduction Reaction. ECS Meeting Abstracts, 2017, , .	0.0	0
18	Co,N-Codoped Mesoporous Carbon As Efficient Bifunctional Catalysts for Oxygen Reduction and Hydrogen Evolution Reaction. ECS Meeting Abstracts, 2017, , .	0.0	0

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19	Ordered mesoporous carbons codoped with nitrogen and iron as effective catalysts for oxygen reduction reaction. Nanoscale, 2016, 8, 19249-19255.	5.6	47
20	Facet effects of palladium nanocrystals for oxygen reduction in ionic liquids and for sensing applications. Nanoscale, 2016, 8, 5771-5779.	5.6	25
21	Recent Advances on Electro-Oxidation of Ethanol on Pt- and Pd-Based Catalysts: From Reaction Mechanisms to Catalytic Materials. Catalysts, 2015, 5, 1507-1534.	3.5	379
22	B-Doped Pd Catalyst: Boosting Room-Temperature Hydrogen Production from Formic Acidâ€“Formate Solutions. Journal of the American Chemical Society, 2014, 136, 4861-4864.	13.7	364
23	Length tunable penta-twinned palladium nanorods: seedless synthesis and electrooxidation of formic acid. Nanoscale, 2014, 6, 5630.	5.6	44
24	Electrocatalysis of formic acid on palladium and platinum surfaces: from fundamental mechanisms to fuel cell applications. Physical Chemistry Chemical Physics, 2014, 16, 20360-20376.	2.8	296
25	Electrochemical removal of surfactants from Pt nanocubes. Electrochemistry Communications, 2014, 38, 134-137.	4.7	50
26	Electroreduction of O2 on uniform arrays of Pt nanoparticles. Journal of Electroanalytical Chemistry, 2013, 688, 180-188.	3.8	27
27	In Situ Surface-Enhanced Raman Spectroscopic Studies of Nafion Adsorption on Au and Pt Electrodes. Langmuir, 2012, 28, 957-964.	3.5	48
28	Oppâ€Dibenzoporphyrins as a Lightâ€Harvester for Dyeâ€Sensitized Solar Cells. Chemistry - an Asian Journal, 2012, 7, 2662-2669.	3.3	22
29	Ptâ€“Cu nanoctahedra: synthesis and comparative study with nanocubes on their electrochemical catalytic performance. Chemical Science, 2012, 3, 3302.	7.4	65
30	Enhanced formic acid oxidation on Cuâ€“Pd nanoparticles. Journal of Power Sources, 2011, 196, 9369-9372.	7.8	84
31	Electrooxidation of methanol and formic acid on PtCu nanoparticles. Electrochimica Acta, 2010, 55, 8000-8004.	5.2	97
32	Monodisperse Pt₃Fe Nanocubes: Synthesis, Characterization, Selfâ€Assembly, and Electrocatalytic Activity. Advanced Functional Materials, 2010, 20, 3727-3733.	14.9	88
33	Enhancing by Weakening: Electrooxidation of Methanol on Pt₃Co and Pt Nanocubes. Angewandte Chemie - International Edition, 2010, 49, 6848-6851.	13.8	183
34	Synthesis and Oxygen Reduction Activity of Shape-Controlled Pt₃Ni Nanopolyhedra. Nano Letters, 2010, 10, 638-644.	9.1	744
35	ortho-Phenylenes: Unusual Conjugated Oligomers with a Surprisingly Long Effective Conjugation Length. Journal of the American Chemical Society, 2010, 132, 13848-13857.	13.7	111
36	Monodisperse Pt-Cu Nanocubesï¼šSynthesis, Characterization, and Electrochemical Properties. Materials Research Society Symposia Proceedings, 2009, 1217, 1.	0.1	0

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37	Solutionâ€Based Evolution and Enhanced Methanol Oxidation Activity of Monodisperse Platinumâ€“Copper Nanocubes. Angewandte Chemie - International Edition, 2009, 48, 4217-4221.	13.8	367
38	Monodisperse and highly active PtNi nanoparticles for O2 reduction. Electrochemistry Communications, 2009, 11, 2278-2281.	4.7	28
39	Electrooxidation of CO on Uniform Arrays of Au Nanoparticles: Effects of Particle Size and Interparticle Spacing. Langmuir, 2009, 25, 574-581.	3.5	35
40	High-Density Vertically Aligned ZnO Rods with a Multistage Terrace Structure and Their Improved Solar Cell Efficiency. Crystal Growth and Design, 2008, 8, 381-383.	3.0	45
41	In Situ Surface-Enhanced Raman Spectroscopic Studies of CO Adsorption and Methanol Oxidation on Ru-Modified Pt Surfaces. Journal of Physical Chemistry C, 2007, 111, 19058-19065.	3.1	25
42	Electrooxidation of Carbon Monoxide and Methanol on Platinum-Overlayer-Coated Gold Nanoparticles:Â Effects of Film Thickness. Langmuir, 2007, 23, 7365-7371.	3.5	87
43	Seed-Mediated Growth of Uniform Gold Nanoparticle Arrays. Journal of Physical Chemistry C, 2007, 111, 12933-12938.	3.1	23
44	Surface-Enhanced Raman Spectroscopic Evidence of Methanol Oxidation on Ruthenium Electrodes. Journal of Physical Chemistry B, 2006, 110, 17296-17301.	2.6	23
45	Coupled Surface-Enhanced Raman Spectroscopy and Electrical Conductivity Measurements of 1,4-Phenylene Diisocyanide in Molecular Electronic Junctions. Analytical Chemistry, 2006, 78, 120-124.	6.5	29
46	Surface-Enhanced Raman Spectroscopic Study of 1,4-Phenylene Diisocyanide Adsorbed on Gold and Platinum-Group Transition Metal Electrodes. Journal of Physical Chemistry B, 2006, 110, 4782-4792.	2.6	44
47	Electrooxidation of Carbon Monoxide on Gold Nanoparticle Ensemble Electrodes:Â Effects of Particle Coverage. Journal of Physical Chemistry B, 2005, 109, 15707-15713.	2.6	61
48	Molecular recognition of oxygen by protein mimics: Dynamics on the femtosecond to microsecond time scale. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 9625-9630.	7.1	22
49	Attachment of Cobalt â€œPicket Fenceâ€•Porphyrin to the Surface of Gold Electrodes Coated with 1-(10-Mercaptodecyl)imidazole. Langmuir, 2002, 18, 3241-3246.	3.5	28
50	Surface-Enhanced Raman Scattering from Substrates with Conducting or Insulator Overlayers: Electromagnetic Model Predictions and Comparisons with Experiment. Applied Spectroscopy, 2000, 54, 761-772.	2.2	24
51	Spatial structure of ordered electrochemical adlayers from in situ scanning tunneling microscopy and infrared spectroscopy: single-site carbon monoxide binding on iridium(111) and comparisons with related systems. Surface Science, 2000, 446, L95-L100.	1.9	9
52	Electrochemical adsorbate-induced substrate restructuring: gold(110) in aqueous bromide electrolytes. Surface Science, 2000, 452, 44-57.	1.9	27
53	Formation and Stability of Oxide Films on Platinum-Group Metals in Electrochemical and Related Environments As Probed by Surface-Enhanced Raman Spectroscopy:Â Dependence on the Chemical Oxidant. Langmuir, 2000, 16, 754-763.	3.5	48
54	Peer Reviewed: The New Interfacial Ubiquity of Surface-Enhanced Raman Spectroscopy. Analytical Chemistry, 2000, 72, 38 A-47 A.	6.5	124

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55	A concerted assessment of potential-dependent vibrational frequencies for nitric oxide and carbon monoxide adlayers on low-index platinum-group surfaces in electrochemical compared with ultrahigh vacuum environments: Structural and electrostatic implications. Journal of Chemical Physics, 1999, 111, 368-381.	3.0	88
56	Coadsorbate vibrational interactions within mixed carbon monoxide-nitric oxide adlayers on ordered low-index platinum-group electrodes. Journal of Electroanalytical Chemistry, 1999, 467, 92-104.	3.8	12
57	Infrared spectroscopy of carbon monoxide and nitric oxide on palladium(111) in aqueous solution: unexpected adlayer structural differences between electrochemical and ultrahigh-vacuum interfaces. Journal of Electroanalytical Chemistry, 1999, 474, 155-166.	3.8	56
58	Surface-enhanced Raman spectroscopy of cadmium sulfide/cadmium selenide superlattices formed on gold by electrochemical atomic-layer epitaxy. Chemical Physics Letters, 1999, 312, 101-107.	2.6	34
59	Surface-Enhanced Raman Scattering of Ultrathin Cadmium Chalcogenide Films on Gold Formed by Electrochemical Atomic-Layer Epitaxy:Â Thickness-Dependent Phonon Characteristics. Journal of Physical Chemistry B, 1999, 103, 2323-2326.	2.6	40
60	Mechanistic Differences between Electrochemical and Gas-Phase Thermal Oxidation of Platinum-Group Transition Metals As Discerned by Surface-Enhanced Raman Spectroscopy. Journal of Physical Chemistry B, 1999, 103, 11141-11151.	2.6	45
61	Encapsulation of Neutral Gold Nanoclusters by Resorcinarenes. Langmuir, 1999, 15, 8337-8339.	3.5	58
62	Coverage-Dependent Infrared Spectroscopy of Carbon Monoxide on Palladium(100) in Aqueous Solution:â€‰ Adlayer Phase Transitions and Electrooxidation Pathways. Langmuir, 1999, 15, 2931-2939.	3.5	22
63	Nanoscale phenomena in surface electrochemistry: some insights from scanning tunneling microscopy and infrared spectroscopy. Electrochimica Acta, 1998, 43, 2811-2824.	5.2	36
64	Title is missing!. Catalysis Letters, 1998, 52, 181-190.	2.6	11
65	Infrared spectroscopy of carbon monoxide at the ordered palladium (110)-aqueous interface: evidence for adsorbate-induced surface reconstruction. Surface Science, 1998, 399, 270-283.	1.9	42
66	Interactions within mixed NO/CO adlayers at the Pt(100)â€“aqueous electrochemical interface as probed by infrared spectroscopy. Surface Science, 1998, 412-413, 344-357.	1.9	17
67	Surface-Enhanced Raman Scattering on Uniform Transition-Metal Films:Â Toward a Versatile Adsorbate Vibrational Strategy for Solid-Nonvacuum Interfaces?. Analytical Chemistry, 1998, 70, 2387-2395.	6.5	184
68	Probing Molecular Vibrations at Catalytically Significant Interfaces:Â A New Ubiquity of Surface-Enhanced Raman Scattering. Journal of the American Chemical Society, 1998, 120, 3811-3812.	13.7	115
69	Infrared Spectroscopy of Mixed Nitric-Oxideâ"Carbon-Monoxide Adlayers on Ordered Iridium(111) in Aqueous Solution:â€‰ A Model Study of Coadsorbate Vibrational Interactions. Journal of Physical Chemistry B, 1998, 102, 8546-8556.	2.6	20
70	Surface-Enhanced Raman Scattering as a Ubiquitous Vibrational Probe of Transition-Metal Interfaces:Â Benzene and Related Chemisorbates on Palladium and Rhodium in Aqueous Solution. Journal of Physical Chemistry B, 1998, 102, 9039-9049.	2.6	56
71	Coverage-Dependent Infrared Spectroscopy of Carbon Monoxide on Iridium(111) in Aqueous Solution:Â A Benchmark Comparison between Chemisorption in Ordered Electrochemical and Ultrahigh-Vacuum Environments. Journal of Physical Chemistry B, 1998, 102, 8796-8806.	2.6	28
72	Direct observation of infrared band intensity transfer between coadsorbates having widely separated oscillator frequencies: Intermixed NO/CO adlayers on ordered iridium electrodes. Journal of Chemical Physics, 1998, 109, 4135-4138.	3.0	12

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73	Nitric Oxide and Carbon Monoxide Adsorption on Polycrystalline Iridium Electrodes:â€‰ A Combined Raman and Infrared Spectroscopic Study. Langmuir, 1997, 13, 6713-6721.	3.5	46
74	Potential-Dependent Metalâ˜Adsorbate Stretching Frequencies for Carbon Monoxide on Transition-Metal Electrodes:Â Chemical Bonding versus Electrostatic Field Effects. The Journal of Physical Chemistry, 1996, 100, 4237-4242.	2.9	127