

Si-Xuan Guo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1617336/publications.pdf>

Version: 2024-02-01

80
papers

3,102
citations

136740

32
h-index

168136

53
g-index

84
all docs

84
docs citations

84
times ranked

3536
citing authors

#	ARTICLE	IF	CITATIONS
19	Polyoxometalate-Promoted Electrocatalytic CO ₂ Reduction at Nanostructured Silver in Dimethylformamide. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 12690-12697.	4.0	63
20	PdCu@Pd Nanocube with Pt-like Activity for Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 8151-8160.	4.0	114
21	A spectroscopic investigation into the binding of novel platinum(IV) and platinum(II) anticancer drugs with DNA. <i>Vibrational Spectroscopy</i> , 2017, 92, 82-95.	1.2	10
22	Voltammetric and Spectroscopic Studies of $\hat{1}\pm$ - and $\hat{1}^2$ -[PW ₁₂ O ₄₀] ³⁻ Polyoxometalates in Neutral and Acidic Media: Structural Characterization as Their [(n-Bu) ₄ N] ₃ [PW ₁₂ O ₄₀] Salts. <i>Inorganic Chemistry</i> , 2017, 56, 3990-4001.	1.9	30
23	Electrochemical Reduction of CO ₂ at Metal Electrodes in a Distillable Ionic Liquid. <i>ChemSusChem</i> , 2016, 9, 1271-1278.	3.6	37
24	Bioinspired Electrocatalytic CO ₂ Reduction by Bovine Serum Albumin-capped Silver Nanoclusters Mediated by [SiW ₁₂ O ₄₀] ⁴⁻ . <i>ChemSusChem</i> , 2016, 9, 80-87.	3.6	29
25	Mixed-Metal Hybrid Polyoxometalates with Amino Acid Ligands: Electronic Versatility and Solution Properties. <i>Inorganic Chemistry</i> , 2016, 55, 12329-12347.	1.9	14
26	Electrode Material Dependence of the Electron Transfer Kinetics Associated with the [SVW ₁₁ O ₄₀] ^{3-/4-} (VV/IV) and [SVW ₁₁ O ₄₀] ^{4-/5-} (WV/IV) Processes in Dimethylformamide. <i>Electrochimica Acta</i> , 2016, 201, 45-56.	2.6	15
27	Electrooxidation of Ethanol and Methanol Using the Molecular Catalyst [Ru ₄ O ₄ (OH) ₂ (H ₂ O) ₄](³⁻ SiW ₁₀ O ₃₆) ₃ . <i>Journal of the American Chemical Society</i> , 2016, 138, 2617-2628.	3.6	15
28	Effect of the N-based ligands in copper complexes for depolymerisation of lignin. <i>New Journal of Chemistry</i> , 2016, 40, 3511-3519.	1.4	12
29	Fourier Transformed Large Amplitude Alternating Current Voltammetry: Principles and Applications. <i>Review of Polarography</i> , 2015, 61, 21-32.	0.0	52
30	Changing the Action of Iron from Stoichiometric to Electrocatalytic in the Hydrogenation of Ketones in Aqueous Acidic Media. <i>ChemSusChem</i> , 2015, 8, 3712-3717.	3.6	2
31	Cyclopalladated complexes containing 2-C ₆ R ₄ PPH ₂ ligands (R = H, Tj ETQq1 1 0.784314 rGB palladium). <i>Dalton Transactions</i> , 2015, 44, 3367-3377.	1.6	7
32	Lindqvist Polyoxoniobate Ion-Assisted Electrodeposition of Cobalt and Nickel Water Oxidation Catalysts. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 16632-16644.	4.0	35
33	Voltammetric behavior of 1- and 4-[S ₂ V ₅ W ₁₇ O ₆₂] ⁵⁻ in acidified acetonitrile. <i>Dalton Transactions</i> , 2015, 44, 11660-11668.	1.6	22
34	An integrated instrumental and theoretical approach to quantitative electrode kinetic studies based on large amplitude Fourier transformed a.c. voltammetry: A mini review. <i>Electrochemistry Communications</i> , 2015, 57, 78-83.	2.3	66
35	Electroless deposition of iridium oxide nanoparticles promoted by condensation of [Ir(OH) ₆] ²⁺ on an anodized Au surface: application to electrocatalysis of the oxygen evolution reaction. <i>RSC Advances</i> , 2015, 5, 3196-3199.	1.7	35
36	Manganese(II) Oxazolidine Nitroxide Chelates: Structure, Magnetism, and Redox Properties. <i>Australian Journal of Chemistry</i> , 2014, 67, 1618.	0.5	7

#	ARTICLE	IF	CITATIONS
37	Ferrocene-appended ligands for use in spin crossover-redox "hybrid" complexes of iron(II) and cobalt(II). Dalton Transactions, 2014, 43, 15212-15220.	1.6	20
38	Structurally characterised vanadium(V)-substituted Keggin-type heteropolysulfates [SVM11O40]3 ⁻ (M) Tj ETQqO 0 0 rgBT /Overlock 10 Transactions, 2014, 43, 5462.	1.6	34
39	Facile electrochemical co-deposition of a graphene-cobalt nanocomposite for highly efficient water oxidation in alkaline media: direct detection of underlying electron transfer reactions under catalytic turnover conditions. Physical Chemistry Chemical Physics, 2014, 16, 19035-19045.	1.3	46
40	Mediator Enhanced Water Oxidation Using Ru ₄ [Ru ^{II} (bpy) ₃] ₅ [Ru ^{III} O ₄ (OH) ₂] ₂ Film Modified Electrodes. Inorganic Chemistry, 2014, 53, 7561-7570.		
41	Synthesis, characterization and morphology of reduced graphene oxide-metal TCNQ nanocomposites. Journal of Materials Chemistry C, 2014, 2, 870-878.	2.7	45
42	A Redox Switchable Dihydrobenzo[<i>b</i>]pyrazine Push-Pull System. Asian Journal of Organic Chemistry, 2014, 3, 619-623.	1.3	11
43	Phosphomolybdate/poly(diallyldimethylammonium chloride)-reduced graphene oxide modified electrode for highly efficient electrocatalytic reduction of bromate. Journal of Electroanalytical Chemistry, 2014, 727, 69-77.	1.9	31
44	Graphene-supported [Ru ₄ O ₄ (OH) ₂ (H ₂ O) ₄](³⁻ SiW ₁₀ O ₃₆) ₂ for highly efficient electrocatalytic water oxidation. Energy and Environmental Science, 2013, 6, 2654.	15.6	124
45	Comparison of chemical interactions with Li ⁺ and catalytic reactivity of electrochemically generated [FeCl(L)] ₂ ⁺ and [Co(L)] ⁺ complexes (L = salen or salophen). Dalton Transactions, 2013, 42, 11146.	1.6	12
46	Cobalt(II) phosphonate coordination polymers: Synthesis, characterization and application as oxygen evolution electrocatalysts in aqueous media and water-saturated hydrophobic 1-butyl-3-methylimidazolium hexafluorophosphate ionic liquid. Electrochimica Acta, 2013, 101, 201-208.	2.6	20
47	Observation of Ferromagnetic Exchange, Spin Crossover, Reductively Induced Oxidation, and Field-Induced Slow Magnetic Relaxation in Monomeric Cobalt Nitroxides. Inorganic Chemistry, 2013, 52, 7557-7572.	1.9	61
48	Voltammetric Determination of the Reversible Potentials for [Ru ₄ O ₄ (OH) ₂ (H ₂ O) ₄](³⁻ SiW ₁₀ O ₃₆) ₂ over the pH Range of 2-12: Electrolyte Dependence and Implications for Water Oxidation Catalysis. Inorganic Chemistry, 2013, 52, 11986-11996.	1.9	53
49	Simplifying the Evaluation of Graphene Modified Electrode Performance Using Rotating Disk Electrode Voltammetry. Langmuir, 2012, 28, 5275-5285.	1.6	50
50	Systematic differences in electrochemical reduction of the structurally characterized anti-cancer platinum(IV) complexes [Pt{((p- <i>HC</i> 6F ₄)NCH ₂) ₂ }(pyridine) ₂ Cl ₂], [Pt{((p- <i>HC</i> 6F ₄)NCH ₂) ₂ }(pyridine) ₂ (OH) ₂], and [Pt{((p- <i>HC</i> 6F ₄)NCH ₂) ₂ }(pyridine) ₂ (OH)Cl]. Journal of Inorganic Biochemistry, 2012, 115, 226-239.	1.5	32
51	Detailed Electrochemical Studies of the Tetra-ruthenium Polyoxometalate Water Oxidation Catalyst in Acidic Media: Identification of an Extended Oxidation Series using Fourier Transformed Alternating Current Voltammetry. Inorganic Chemistry, 2012, 51, 11521-11532.	1.9	33
52	Synthesis and redox properties of triarylmethane dyecation salts of anions [M ₆ O ₁₉] ²⁻ (M = Mo, W). Dalton Transactions, 2011, 40, 356-366.	1.6	9
53	Synthesis, X-ray structure and electrochemical oxidation of palladium(II) complexes of ferrocenyldiphenylphosphine. Dalton Transactions, 2010, 39, 9079.	1.6	19
54	Detailed voltammetric and EPR study of protonation reactions accompanying the one-electron reduction of Keggin-type polyoxometalates, [XVM ₁₁ O ₄₀] ₄ ⁻ (X = P, As; M = Mo, W) in acetonitrile. Dalton Transactions, 2010, 39, 7364.	1.6	51

#	ARTICLE	IF	CITATIONS
55	Systematic evaluation of electrode kinetics and impact of surface heterogeneity for surface-confined proteins using analysis of harmonic components available in sinusoidal large-amplitude Fourier transformed ac voltammetry. <i>Analytica Chimica Acta</i> , 2009, 652, 205-214.	2.6	13
56	Electrochemical and Chemical Oxidation of $[\text{Pt}(\text{pyrophosphite})_4]^{4+}$ Revisited: Characterization of a Nitrosyl Derivative, $[\text{Pt}(\text{pyrophosphite})_4(\text{NO})]^{3+}$. <i>Inorganic Chemistry</i> , 2009, 48, 2593-2604.	1.9	10
57	Capture of Periodate in a $\{\text{W}_{18}\text{O}_{54}\}$ Cluster Cage Yielding a Catalytically Active Polyoxometalate $[\text{H}_3\text{W}_{18}\text{O}_{56}(\text{IO}_6)]^{6-}$ Embedded with High-Valent Iodine. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4384-4387.	7.2	107
58	Effect of heterogeneity on the dc and ac voltammetry of the $[\text{Fe}(\text{CN})_6]^{3+/4-}$ solution-phase process at a highly ordered pyrolytic graphite electrode. <i>Journal of Electroanalytical Chemistry</i> , 2008, 615, 1-11.	1.9	23
59	Discrimination and Evaluation of the Effects of Uncompensated Resistance and Slow Electrode Kinetics from the Higher Harmonic Components of a Fourier Transformed Large-Amplitude Alternating Current Voltammogram. <i>Analytical Chemistry</i> , 2007, 79, 2276-2288.	3.2	62
60	Investigation of the Pronounced Medium Effects Observed in the Voltammetry of the Highly Charged Lacunary Anions $[\text{SiW}_{11}\text{O}_{39}]^{8-}$ and $[\text{PW}_{11}\text{O}_{39}]^{7-}$. <i>Inorganic Chemistry</i> , 2006, 45, 8563-8574.	1.9	49
61	A Systematic approach to the simulation of the voltammetric reduction of $[\text{SiW}_{12}\text{O}_{40}]^{4-}$ in buffered aqueous electrolyte media and acetonitrile. <i>Journal of Electroanalytical Chemistry</i> , 2006, 591, 7-18.	1.9	28
62	Fourier Transformed Large Amplitude Square-Wave Voltammetry as an Alternative to Impedance Spectroscopy: Evaluation of Resistance, Capacitance and Electrode Kinetic Effects via an Heuristic Approach. <i>Electroanalysis</i> , 2005, 17, 1450-1462.	1.5	24
63	Changing the Look of Voltammetry. <i>Analytical Chemistry</i> , 2005, 77, 186 A-195 A.	3.2	184
64	Novel Kinetic and Background Current Selectivity in the Even Harmonic Components of Fourier Transformed Square-Wave Voltammograms of Surface-Confined Azurin. <i>Journal of Physical Chemistry B</i> , 2005, 109, 8935-8947.	1.2	42
65	Electrochemically Informed Synthesis and Characterization of Salts of the $[\text{Pt}_2(\text{pyrophosphite})_4]^{+}$ Lantern Complex Containing a Pt-Pt Bond of Order 1/2. <i>Inorganic Chemistry</i> , 2005, 44, 2472-2482.	1.9	11
66	Systematic Approach to the Quantitative Voltammetric Analysis of the Fe(III)/Fe(II) Component of the $[\text{Fe}(\text{OH})_2\text{P}_2\text{W}_{17}\text{O}_{61}]^{7-/8-}$ Reduction Process in Buffered and Unbuffered Aqueous Media. <i>Journal of Physical Chemistry B</i> , 2005, 109, 20641-20651.	1.2	42
67	Microelectrochemical Techniques for Probing Kinetics at Liquid/Liquid Interfaces. <i>Progress in Reaction Kinetics and Mechanism</i> , 2004, 29, 43-166.	1.1	13
68	Synthesis, Characterization, and Electrochemical Relationships of Dinuclear Complexes of Platinum(II) and Platinum(III) Containing Ortho-Metalated Tertiary Arsine Ligands. <i>Inorganic Chemistry</i> , 2004, 43, 7752-7763.	1.9	29
69	Fourier Transform Large-Amplitude Alternating Current Cyclic Voltammetry of Surface-Bound Azurin. <i>Analytical Chemistry</i> , 2004, 76, 166-177.	3.2	78
70	Resistance, Capacitance, and Electrode Kinetic Effects in Fourier-Transformed Large-Amplitude Sinusoidal Voltammetry: Emergence of Powerful and Intuitively Obvious Tools for Recognition of Patterns of Behavior. <i>Analytical Chemistry</i> , 2004, 76, 6214-6228.	3.2	73
71	Large-Amplitude Fourier Transformed High-Harmonic Alternating Current Cyclic Voltammetry: Kinetic Discrimination of Interfering Faradaic Processes at Glassy Carbon and at Boron-Doped Diamond Electrodes. <i>Analytical Chemistry</i> , 2004, 76, 3619-3629.	3.2	67
72	Rapidly Renewable and Reproducible Mercury Film Coated Carbon Paste Electrode for Anodic Stripping Voltammetry. <i>Electroanalysis</i> , 2002, 14, 813.	1.5	19

#	ARTICLE	IF	CITATIONS
73	Rapidly renewable and reproducible electropolymerized surface at a monomer modified carbon paste electrode. <i>Journal of Electroanalytical Chemistry</i> , 1999, 465, 102-113.	1.9	17
74	Highly Selective and Sensitive Determination of Silver(I) at a Poly(8-mercaptoquinoline) Film Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 1999, 11, 891-898.	1.5	25
75	Cathodic stripping voltammetric determination of ultratrace gold(III) at a bulk modified epoxy-graphite tube composite electrode in flow systems. <i>Analyst, The</i> , 1999, 124, 353-360.	1.7	28
76	Copper(II) Diethyldithiocarbamate Modified Carbon Paste Electrode for Highly Selective Accumulation of Cysteine. <i>Analytical Letters</i> , 1999, 32, 689-700.	1.0	5
77	Title is missing!. <i>Environmental Monitoring and Assessment</i> , 1997, 44, 471-480.	1.3	7
78	Differential pulse cathodic stripping voltammetric determination of manganese(II) and manganese(VII) at the 1-(2-pyridylazo)-2-naphthol-modified carbon paste electrode. <i>Electroanalysis</i> , 1997, 9, 45-51.	1.5	36
79	Electrocatalytic oxidation of H ₂ O ₂ at an oxycobalt film modified glassy carbon electrode for fermentation monitoring. <i>Analytica Chimica Acta</i> , 1997, 351, 133-142.	2.6	18
80	Determination of ytterbium using electrothermal atomic absorption spectrometry with europium as chemical modifier. <i>Analyst, The</i> , 1995, 120, 1661.	1.7	7