

Fan Shi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2073753/publications.pdf>

Version: 2024-02-01

31
papers

1,911
citations

331670

21
h-index

454955

30
g-index

34
all docs

34
docs citations

34
times ranked

1232
citing authors

#	ARTICLE	IF	CITATIONS
1	Microtesla SABRE Enables 10% Nitrogen-15 Nuclear Spin Polarization. <i>Journal of the American Chemical Society</i> , 2015, 137, 1404-1407.	13.7	275
2	¹⁵ N Hyperpolarization by Reversible Exchange Using SABRE-SHEATH. <i>Journal of Physical Chemistry C</i> , 2015, 119, 8786-8797.	3.1	192
3	The Feasibility of Formation and Kinetics of NMR Signal Amplification by Reversible Exchange (SABRE) at High Magnetic Field (9.4 T). <i>Journal of the American Chemical Society</i> , 2014, 136, 3322-3325.	13.7	148
4	Irreversible Catalyst Activation Enables Hyperpolarization and Water Solubility for NMR Signal Amplification by Reversible Exchange. <i>Journal of Physical Chemistry B</i> , 2014, 118, 13882-13889.	2.6	131
5	¹⁵ N Hyperpolarization of Imidazole- ¹⁵ N ₂ for Magnetic Resonance pH Sensing via SABRE-SHEATH. <i>ACS Sensors</i> , 2016, 1, 640-644.	7.8	111
6	Direct electrochemistry with enhanced electrocatalytic activity of hemoglobin in hybrid modified electrodes composed of graphene and multi-walled carbon nanotubes. <i>Analytica Chimica Acta</i> , 2013, 781, 41-47.	5.4	96
7	Heterogeneous Solution NMR Signal Amplification by Reversible Exchange. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7495-7498.	13.8	90
8	Application of graphene-copper sulfide nanocomposite modified electrode for electrochemistry and electrocatalysis of hemoglobin. <i>Biosensors and Bioelectronics</i> , 2015, 64, 131-137.	10.1	86
9	Hyperpolarization of Neat Liquids by NMR Signal Amplification by Reversible Exchange. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1961-1967.	4.6	85
10	Graphene-MnO ₂ nanocomposite modified carbon ionic liquid electrode for the sensitive electrochemical detection of rutin. <i>Sensors and Actuators B: Chemical</i> , 2013, 178, 443-449.	7.8	72
11	Aqueous NMR Signal Enhancement by Reversible Exchange in a Single Step Using Water-Soluble Catalysts. <i>Journal of Physical Chemistry C</i> , 2016, 120, 12149-12156.	3.1	63
12	Nanoscale Catalysts for NMR Signal Enhancement by Reversible Exchange. <i>Journal of Physical Chemistry C</i> , 2015, 119, 7525-7533.	3.1	61
13	In Situ and Ex Situ Low-Field NMR Spectroscopy and MRI Endowed by SABRE Hyperpolarization. <i>ChemPhysChem</i> , 2014, 15, 4100-4107.	2.1	58
14	Application of three-dimensional reduced graphene oxide-gold composite modified electrode for direct electrochemistry and electrocatalysis of myoglobin. <i>Materials Science and Engineering C</i> , 2016, 58, 450-457.	7.3	43
15	Electrochemical biosensor based on graphene, Mg ₂ Al layered double hydroxide and hemoglobin composite. <i>Electrochimica Acta</i> , 2013, 91, 130-136.	5.2	42
16	Direct electrochemistry and electrocatalysis of hemoglobin in graphene oxide and ionic liquid composite film. <i>Materials Science and Engineering C</i> , 2014, 40, 235-241.	7.3	40
17	High-Resolution Low-Field Molecular Magnetic Resonance Imaging of Hyperpolarized Liquids. <i>Analytical Chemistry</i> , 2014, 86, 9042-9049.	6.5	39
18	Electrodeposited nanogold decorated graphene modified carbon ionic liquid electrode for the electrochemical myoglobin biosensor. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 2333-2340.	2.5	35

#	ARTICLE	IF	CITATIONS
19	Electrochemical DNA Biosensor Based on Partially Reduced Graphene Oxide Modified Carbon Ionic Liquid Electrode for the Detection of Transgenic Soybean A2704â€12 Gene Sequence. <i>Electroanalysis</i> , 2013, 25, 1417-1424.	2.9	33
20	Donorâ€acceptor conjugates-functionalized zinc phthalocyanine: Towards broad absorption and application in organic solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2010, 94, 1803-1808.	6.2	27
21	Application of Carbon-Microsphere-Modified Electrodes for Electrochemistry of Hemoglobin and Electrocatalytic Sensing of Trichloroacetic Acid. <i>Sensors</i> , 2016, 16, 6.	3.8	22
22	Application of Titanium Dioxide Nanowires for the Direct Electrochemistry of Hemoglobin and Electrocatalysis. <i>Journal of the Chinese Chemical Society</i> , 2015, 62, 554-561.	1.4	20
23	Graphdiyne and Ionic Liquid Composite Modified Gold Electrode for Sensitive Voltammetric Analysis of Rutin. <i>Electroanalysis</i> , 2022, 34, 286-293.	2.9	16
24	Toward Cleavable Metabolic/pH Sensing â€Double Agentsâ€Hyperpolarized by NMR Signal Amplification by Reversible Exchange. <i>Chemistry - A European Journal</i> , 2018, 24, 10641-10645.	3.3	13
25	Application of graphene-ionic liquid-chitosan composite-modified carbon molecular wire electrode for the sensitive determination of adenosine-5â€monophosphate. <i>Materials Science and Engineering C</i> , 2013, 33, 4527-4532.	7.3	11
26	Electrochemical behavior and determination of guanosine-5â€monophosphate on a ionic liquid modified carbon electrode. <i>Journal of Analytical Chemistry</i> , 2015, 70, 186-192.	0.9	8
27	Porous biomass carbon and gold nanoparticles modified electrode for myoglobin direct electrochemistry and electrocatalysis. <i>Journal of the Chinese Chemical Society</i> , 2021, 68, 2006-2012.	1.4	8
28	Mould wall friction effects on micro injection moulding based on simulation of MIS. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010, 10, 012141.	0.6	2
29	Electrochemical DNA Biosensor Based on Platinum-gold Bimetal Decorated Graphene Modified Electrode for the Detection of <i>Vibrio parahaemolyticus</i> Specific <i>tlh</i> Gene Sequence. <i>Current Analytical Chemistry</i> , 2022, 18, 781-789.	1.2	1
30	Notice of Retraction: Particle tracking in micro-injection molding simulated by MIS. , 2010, , .		0
31	Electrochemical Oxidative Detection of Guanosineâ€5â€triphosphate Based on a New Ionic Liquid Modified Carbon Paste Electrode. <i>Journal of the Chinese Chemical Society</i> , 2013, 60, 1285-1290.	1.4	0