

Chia-Liang Sun

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1862197/publications.pdf>

Version: 2024-02-01

63
papers

3,755
citations

136885

32
h-index

123376

61
g-index

64
all docs

64
docs citations

64
times ranked

5803
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of nanoporous core-shell structured multi-walled carbon nanotube-graphene oxide nanoribbons in electrochemical biosensors. <i>Microchemical Journal</i> , 2022, 179, 107586.	2.3	5
2	Nanoporous core-shell structured multi-wall carbon nanotube/graphene oxide nanoribbons as cathodes and protection layer for aqueous zinc-ion capacitors: Mechanism study of zinc dendrite suppression by in-situ transmission X-ray microscopy. <i>Journal of Power Sources</i> , 2022, 541, 231627.	4.0	12
3	Visible-Light-Assisted Photoelectrochemical Biosensing of Uric Acid Using Metal-Free Graphene Oxide Nanoribbons. <i>Nanomaterials</i> , 2021, 11, 2693.	1.9	2
4	Core-shell structured multiwall carbon nanotube-graphene oxide nanoribbon and its N-doped variant as anodes for high-power microbial fuel cells. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5339-5351.	2.5	25
5	Antioxidant Graphene Oxide Nanoribbon as a Novel Whitening Agent Inhibits Microphthalmia-Associated Transcription Factor-Related Melanogenesis Mechanism. <i>ACS Omega</i> , 2020, 5, 6588-6597.	1.6	15
6	High performance non-enzymatic graphene-based glucose fuel cell operated under moderate temperatures and a neutral solution. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 95, 48-54.	2.7	15
7	Nitrogen and sulfur co-doped graphene nanoribbons: A novel metal-free catalyst for high performance electrochemical detection of 2, 4, 6-trinitrotoluene (TNT). <i>Carbon</i> , 2018, 126, 328-337.	5.4	79
8	Low-Temperature CVD Graphene Nanostructures on Cu and Their Corrosion Properties. <i>Materials</i> , 2018, 11, 1989.	1.3	15
9	Soft Electrochemical Probes for Mapping the Distribution of Biomarkers and Injected Nanomaterials in Animal and Human Tissues. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16498-16502.	7.2	35
10	Printed Combinatorial Sensors for Simultaneous Detection of Ascorbic Acid, Uric Acid, Dopamine, and Nitrite. <i>ACS Omega</i> , 2017, 2, 4245-4252.	1.6	67
11	Weiche elektrochemische Sonden zum Abbilden der Verteilung von Biomarkern und injizierten Nanomaterialien in tierischem und menschlichem Gewebe. <i>Angewandte Chemie</i> , 2017, 129, 16722-16727.	1.6	0
12	Role of the Metal-Oxide Support in the Catalytic Activity of Pd Nanoparticles for Ethanol Electrooxidation in Alkaline Media. <i>ChemElectroChem</i> , 2016, 3, 218-227.	1.7	73
13	A Multi-Walled Carbon Nanotube Core with Graphene Oxide Nanoribbon Shell as Anode Material for Sodium Ion Batteries. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600357.	1.9	20
14	Self-aligned graphene oxide nanoribbon stack with gradient bandgap for visible-light photodetection. <i>Nano Energy</i> , 2016, 27, 114-120.	8.2	14
15	Size Effects of Pt Nanoparticle/Graphene Composite Materials on the Electrochemical Sensing of Hydrogen Peroxide. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-7.	1.5	7
16	Interconnected core-shell carbon nanotube-graphene nanoribbon scaffolds for anchoring cobalt oxides as bifunctional electrocatalysts for oxygen evolution and reduction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13371-13376.	5.2	51
17	Graphene grown on stainless steel as a high-performance and ecofriendly anti-corrosion coating for polymer electrolyte membrane fuel cell bipolar plates. <i>Journal of Power Sources</i> , 2015, 282, 248-256.	4.0	140
18	Particle size effects of sulfonated graphene supported Pt nanoparticles on ethanol electrooxidation. <i>Electrochimica Acta</i> , 2015, 162, 282-289.	2.6	46

#	ARTICLE	IF	CITATIONS
19	Graphene Nanoribbon-Supported PtPd Concave Nanocubes for Electrochemical Detection of TNT with High Sensitivity and Selectivity. <i>Analytical Chemistry</i> , 2015, 87, 12262-12269.	3.2	96
20	Synthesis of short graphene oxide nanoribbons for improved biomarker detection of Parkinson's disease. <i>Biosensors and Bioelectronics</i> , 2015, 67, 327-333.	5.3	28
21	A reusable magnetic graphene oxide-modified biosensor for vascular endothelial growth factor detection in cancer diagnosis. <i>Biosensors and Bioelectronics</i> , 2015, 67, 431-437.	5.3	103
22	Investigation of the adsorption of size-selected Pt colloidal nanoparticles on high-surface-area graphene powders for methanol oxidation reaction. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 1025-1030.	2.7	14
23	Synthesis of size-selected Pt nanoparticles supported on sulfonated graphene with polyvinyl alcohol for methanol oxidation in alkaline solutions. <i>Journal of Power Sources</i> , 2014, 254, 298-305.	4.0	48
24	Biodistribution of PEGylated graphene oxide nanoribbons and their application in cancer chemo-photothermal therapy. <i>Carbon</i> , 2014, 74, 83-95.	5.4	69
25	Nanocomposite Graphene/Pt Electrocatalyst as Economical Counter Electrode for Dye-Sensitized Solar Cells. <i>ChemElectroChem</i> , 2014, 1, 416-425.	1.7	35
26	Multiwalled Carbon Nanotube@Reduced Graphene Oxide Nanoribbon as the Counter Electrode for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014, 118, 16626-16634.	1.5	76
27	A novel core-shell multi-walled carbon nanotube@graphene oxide nanoribbon heterostructure as a potential supercapacitor material. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11237.	5.2	90
28	Catalysis in Fuel Cells and Hydrogen Production. , 2013, , 217-270.		12
29	Self-aligned gate dielectric in carbon nanotube field-effect transistors by anodic oxidation of aluminium. <i>Journal of Experimental Nanoscience</i> , 2013, 8, 138-144.	1.3	2
30	The effects of ionic liquid on the electrochemical sensing performance of graphene- and carbon nanotube-based electrodes. <i>Analyst, The</i> , 2013, 138, 576-582.	1.7	25
31	Effects of zirconium substitution on the electrical and physical properties of metal-ferroelectric (BiFeO ₃)-insulator (HfO ₂)-silicon structures for non-volatile memories. <i>Microelectronic Engineering</i> , 2013, 109, 142-147.	1.1	6
32	Effect of chemical doping of boron and nitrogen on the electronic, optical, and electrochemical properties of carbon nanotubes. <i>Progress in Materials Science</i> , 2013, 58, 565-635.	16.0	276
33	Ultrasensitive and highly stable nonenzymatic glucose sensor by a CuO/graphene-modified screen-printed carbon electrode integrated with flow-injection analysis. <i>Electrochemistry Communications</i> , 2013, 30, 91-94.	2.3	86
34	Atomistic nucleation sites of Pt nanoparticles on N-doped carbon nanotubes. <i>Nanoscale</i> , 2013, 5, 6812.	2.8	35
35	Graphene and other carbon sorbents for selective adsorption of thiophene from liquid fuel. <i>AIChE Journal</i> , 2013, 59, 29-32.	1.8	69
36	Synthesis of PEDOT-modified graphene composite materials as flexible electrodes for energy storage and conversion applications. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 13880-13886.	3.8	73

#	ARTICLE	IF	CITATIONS
37	Synthesis of CuO/graphene nanocomposites for nonenzymatic electrochemical glucose biosensor applications. <i>Electrochimica Acta</i> , 2012, 82, 152-157.	2.6	225
38	A low-cost counter electrode of ITO glass coated with a graphene/Nafion® composite film for use in dye-sensitized solar cells. <i>Carbon</i> , 2012, 50, 4192-4202.	5.4	77
39	Nano-scale chemical imaging of a single sheet of reduced graphene oxide. <i>Journal of Materials Chemistry</i> , 2011, 21, 14622.	6.7	64
40	Microwave-Assisted Synthesis of a Core-Shell MWCNT/GONR Heterostructure for the Electrochemical Detection of Ascorbic Acid, Dopamine, and Uric Acid. <i>ACS Nano</i> , 2011, 5, 7788-7795.	7.3	303
41	Fabrication of flat capped carbon nanotubes using an arc-discharge method assisted with a Sm-Co catalyst. <i>Journal of Materials Science: Materials in Electronics</i> , 2011, 22, 1387-1392.	1.1	5
42	The simultaneous electrochemical detection of ascorbic acid, dopamine, and uric acid using graphene/size-selected Pt nanocomposites. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3450-3455.	5.3	488
43	Effect of processing temperature on characteristics of metal-ferroelectric (BiFeO ₃)-insulator (HfLaO)-silicon capacitors. <i>Thin Solid Films</i> , 2010, 518, 7433-7436.	0.8	3
44	First-Principles Calculations of Hydrogen Generation Due to Water Splitting on Polar GaN Surfaces. <i>Journal of Physical Chemistry C</i> , 2010, 114, 18228-18232.	1.5	41
45	Ternary PtRuNi Nanocatalysts Supported on N-Doped Carbon Nanotubes: Deposition Process, Material Characterization, and Electrochemistry. <i>Journal of the Electrochemical Society</i> , 2009, 156, B1249.	1.3	29
46	Mesoporous active carbon dispersed with ultra-fine platinum nanoparticles and their electrochemical properties. <i>Diamond and Related Materials</i> , 2009, 18, 303-306.	1.8	4
47	Arrayed CN _x NTs-RuO ₂ nanocomposites directly grown on Ti-buffered Si substrate for supercapacitor applications. <i>Electrochemistry Communications</i> , 2007, 9, 239-244.	2.3	84
48	Atomic-Scale Deformation in N-Doped Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2006, 128, 8368-8369.	6.6	96
49	Superior electrochemical performance of CN _x nanotubes using TiSi ₂ buffer layer on Si substrates. <i>Journal of Vacuum Science & Technology B</i> , 2006, 24, 87.	1.3	9
50	Carbon Nanotubes Grown Directly on Ti Electrodes and Enhancement of Their Electrochemical Properties by Nitric Acid Treatment. <i>Electrochemical and Solid-State Letters</i> , 2006, 9, A5.	2.2	13
51	Enhanced Electrochemical Properties of Arrayed CN _x Nanotubes Directly Grown on Ti-Buffered Silicon Substrates. <i>Electrochemical and Solid-State Letters</i> , 2006, 9, A175.	2.2	12
52	Ultrafine Platinum Nanoparticles Uniformly Dispersed on Arrayed CN _x Nanotubes with High Electrochemical Activity. <i>Chemistry of Materials</i> , 2005, 17, 3749-3753.	3.2	206
53	Low voltage lead titanate/Si one-transistor ferroelectric memory with good device characteristics. <i>Applied Physics Letters</i> , 2004, 85, 4726-4728.	1.5	9
54	Growth mechanism, structure and IR photoluminescence studies of indium nitride nanorods. <i>Journal of Crystal Growth</i> , 2004, 269, 87-94.	0.7	88

#	ARTICLE	IF	CITATIONS
55	Electrical and structural characteristics of PbTiO ₃ thin films with ultra-thin Al ₂ O ₃ buffer layers. <i>Materials Chemistry and Physics</i> , 2003, 78, 412-415.	2.0	3
56	Characterization of BaPbO ₃ and Ba(Pb _{1-x} Bi _x)O ₃ thin films. <i>Materials Chemistry and Physics</i> , 2003, 78, 507-511.	2.0	11
57	Effect of Zr/Ti Ratios on Characterization of Pb(Zr _x Ti _{1-x})O ₃ Thin Films on Al ₂ O ₃ Buffered Si for One-Transistor Memory Applications. <i>Journal of the Electrochemical Society</i> , 2003, 150, G187.	1.3	2
58	Role of Interface Reaction at High Temperature in Electrical Characteristics of Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ /Al ₂ O ₃ /Si Capacitors. <i>Journal of the Electrochemical Society</i> , 2003, 150, C600.	1.3	1
59	Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ thin films on ultrathin Al ₂ O ₃ buffered Si for ferroelectric memory application. <i>Applied Physics Letters</i> , 2002, 80, 3168-3170.	1.5	30
60	Effect of annealing temperature on physical and electrical properties of Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ thin films on Al ₂ O ₃ -buffered Si. <i>Applied Physics Letters</i> , 2002, 80, 1984-1986.	1.5	41
61	Ferroelectric characteristics of oriented Pb(Zr _{1-x} Ti _x)O ₃ films. <i>Journal of Applied Physics</i> , 2001, 90, 2970-2974.	1.1	78
62	Stack gate PZT/Al ₂ O ₃ one transistor ferroelectric memory. <i>IEEE Electron Device Letters</i> , 2001, 22, 336-338.	2.2	58
63	Characteristics of Pb(Zr _{0.53} Ti _{0.47})O ₃ on Metal and Al ₂ O ₃ /Si Substrates. <i>Journal of the Electrochemical Society</i> , 2001, 148, F203.	1.3	11