

Guangming Nie

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3071978/publications.pdf>

Version: 2024-02-01

68
papers

2,638
citations

136950

32
h-index

197818

49
g-index

68
all docs

68
docs citations

68
times ranked

1957
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel solid-state electrochromic supercapacitor with high energy storage capacity and cycle stability based on poly(5-formylindole)/WO ₃ honeycombed porous nanocomposites. <i>Chemical Engineering Journal</i> , 2020, 384, 123370.	12.7	125
2	High-Performance Asymmetric Electrochromic-Supercapacitor Device Based on Poly(indole-6-carboxylic acid)/TiO ₂ Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 6491-6501.	8.0	117
3	Electrosyntheses and characterizations of a new soluble conducting copolymer of 5-cyanoindole and 3,4-ethylenedioxythiophene. <i>Electrochimica Acta</i> , 2008, 53, 8351-8358.	5.2	100
4	A graphene quantum dots based electrochemiluminescence immunosensor for carcinoembryonic antigen detection using poly(5-formylindole)/reduced graphene oxide nanocomposite. <i>Biosensors and Bioelectronics</i> , 2018, 101, 123-128.	10.1	99
5	Electrosyntheses of freestanding polyindole films in boron trifluoride diethyl etherate. <i>Journal of Polymer Science Part A</i> , 2005, 43, 1444-1453.	2.3	96
6	High-performance D-A-D type electrochromic polymer with Ñ spacer applied in supercapacitor. <i>Chemical Engineering Journal</i> , 2020, 390, 124572.	12.7	86
7	A new electrochromic material from an indole derivative and its application in high-quality electrochromic devices. <i>Electrochemistry Communications</i> , 2010, 12, 160-163.	4.7	83
8	Simple "signal-on" photoelectrochemical aptasensor for ultrasensitive detecting AFB1 based on electrochemically reduced graphene oxide/poly(5-formylindole)/Au nanocomposites. <i>Biosensors and Bioelectronics</i> , 2019, 134, 42-48.	10.1	73
9	High Performance Multicolor Intelligent Supercapacitor and Its Quantitative Monitoring of Energy Storage Level by Electrochromic Parameters. <i>ACS Applied Energy Materials</i> , 2020, 3, 2727-2736.	5.1	73
10	Electrochemiluminescence Biosensor Based on Conducting Poly(5-formylindole) for Sensitive Detection of Ramos Cells. <i>Biomacromolecules</i> , 2013, 14, 834-840.	5.4	70
11	Robust flexible WS ₂ /PEDOT:PSS film for use in high-performance miniature supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2018, 824, 136-146.	3.8	68
12	Polyindole vertical nanowire array based electrochromic-supercapacitor difunctional device for energy storage and utilization. <i>European Polymer Journal</i> , 2019, 113, 29-35.	5.4	66
13	Simple Label-Free Femtomolar DNA Detection Based on a Nanostructure Composite Material: MWNT-Doped Poly(indole-6-carboxylic acid). <i>ACS Macro Letters</i> , 2012, 1, 1304-1307.	4.8	63
14	Electrodeposition of poly(indole-5-carboxylic acid) in boron trifluoride diethyl etherate containing additional diethyl ether. <i>Electrochimica Acta</i> , 2007, 52, 7097-7106.	5.2	62
15	Electrochemical copolymerization of indole and 3,4-ethylenedioxythiophene. <i>Journal of Materials Science</i> , 2005, 40, 2867-2873.	3.7	57
16	Electrosynthesis of a new polyindole derivative obtained from 5-formylindole and its electrochromic properties. <i>Journal of Materials Chemistry</i> , 2011, 21, 13873.	6.7	57
17	Synthesis and electrochromic properties of polyacrylate functionalized poly(3,4-ethylenedioxythiophene) network films. <i>Journal of Materials Chemistry</i> , 2012, 22, 18345.	6.7	57
18	An ultrasensitive electrochemiluminescence assay for Hg ²⁺ through graphene quantum dots and poly(5-formylindole) nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 824-830.	7.8	57

#	ARTICLE	IF	CITATIONS
19	1H NMR spectral studies on the polymerization mechanism of indole and its derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 63, 723-728.	3.9	55
20	Label-free DNA detection based on a novel nanostructured conducting poly(indole-6-carboxylic acid) films. <i>Sensors and Actuators B: Chemical</i> , 2009, 139, 592-597.	7.8	53
21	High performance electrochromic devices based on a polyindole derivative, poly(1H-benzo[g]indole). <i>Journal of Materials Chemistry C</i> , 2015, 3, 11318-11325.	5.5	51
22	Electrochromic property of a copolymer based on 5-cyanoindole and 3,4-ethylenedioxythiophene and its application in electrochromic devices. <i>Journal of Electroanalytical Chemistry</i> , 2013, 700, 17-23.	3.8	46
23	Electrosyntheses of high quality free-standing poly(9-fluorenone) films in boron trifluoride diethyl etherate. <i>Electrochimica Acta</i> , 2006, 51, 5738-5745.	5.2	44
24	High-Quality Inherently Organic Conducting Polymers Electrosynthesized from Fused-Ring Compounds in a New Electrolytic System Based on Boron Trifluoride Diethyl Etherate. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2011, 36, 209-228.	12.3	44
25	Low-potential electrochemical polymerization of 5-fluoroindole and characterization of its polymers. <i>Journal of Electroanalytical Chemistry</i> , 2007, 604, 125-132.	3.8	42
26	Ultrasensitive electrochemiluminescence immunosensor for prostate-specific antigen detection based on novel nanoprobe and poly(indole-6-carboxylic acid)/flower-like Au nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2020, 303, 127246.	7.8	40
27	An electrochemiluminescence aptasensor for the ultrasensitive detection of aflatoxin B1 based on gold nanorods/graphene quantum dots-modified poly(indole-6-carboxylic acid)/flower-gold nanocomposite. <i>Microchemical Journal</i> , 2020, 157, 104959.	4.5	40
28	Electrosyntheses of high quality poly(5-methylindole) films in mixed electrolytes of boron trifluoride diethyl etherate and diethyl ether. <i>European Polymer Journal</i> , 2006, 42, 1384-1395.	5.4	39
29	A novel high-quality electrochromic material from 3,4-ethylenedioxythiophene bis-substituted fluorene. <i>Organic Electronics</i> , 2012, 13, 2167-2176.	2.6	38
30	Electrochemiluminescence biosensor for Ramos cells based on a nanostructured conducting polymer composite material (PICA-MWNTs). <i>Journal of Polymer Science Part A</i> , 2013, 51, 2385-2392.	2.3	38
31	Label-free photoelectrochemical immunosensing platform for detection of carcinoembryonic antigen through photoactive conducting poly(5-formylindole) nanocomposite. <i>Biosensors and Bioelectronics</i> , 2018, 116, 60-66.	10.1	38
32	Electrochemical immunosensor for the carcinoembryonic antigen based on a nanocomposite consisting of reduced graphene oxide, gold nanoparticles and poly(indole-6-carboxylic acid). <i>Sensors</i> , 2010, 10, 1000-1010.	5.0	36
33	High performance organic-inorganic hybrid material with multi-color change and high energy storage capacity for intelligent supercapacitor application. <i>Journal of Alloys and Compounds</i> , 2021, 855, 157480.	5.5	34
34	Electrodeposition of High-quality Polycarbazole Films in Composite Electrolytes of Boron Trifluoride Diethyl Etherate and Ethyl Ether. <i>Journal of Applied Electrochemistry</i> , 2006, 36, 937-944.	2.9	30
35	Electrosyntheses and characterization of poly(5-bromoindole) in boron trifluoride diethyl etherate. <i>Journal of Applied Polymer Science</i> , 2006, 101, 539-547.	2.6	29
36	Graphene/Polymer Hybrid Fiber with Enhanced Fracture Elongation for Thermoelectric Energy Harvesting. <i>ACS Applied Energy Materials</i> , 2020, 3, 6165-6171.	5.1	29

#	ARTICLE	IF	CITATIONS
37	Low-potential facile electrosyntheses of high-quality free-standing poly(fluorene-9-carboxylic acid) films. <i>Electrochemistry Communications</i> , 2008, 10, 186-189.	4.7	28
38	Fabrication of a simple and sensitive QDs-based electrochemiluminescence immunosensor using a nanostructured composite material for the detection of tumor markers alpha-fetoprotein. <i>Journal of Materials Chemistry B</i> , 2014, 2, 8321-8328.	5.8	28
39	Intelligent electrochromic-supercapacitor based on effective energy level matching poly(indole-6-carboxylic acid)/WO ₃ nanocomposites. <i>New Journal of Chemistry</i> , 2020, 44, 20584-20591.	2.8	27
40	Electrochemical copolymerization of carbazole and 3-methylthiophene. <i>Journal of Applied Polymer Science</i> , 2006, 102, 1877-1885.	2.6	25
41	Three-Dimensional Porous Carbon Derived from Polyindole Hollow Nanospheres for High-Performance Supercapacitor Electrode. <i>ACS Applied Energy Materials</i> , 2018, 1, 4572-4579.	5.1	25
42	Low-potential facile electrosyntheses of free-standing poly(5-methoxyindole) film with good fluorescence properties. <i>Journal of Electroanalytical Chemistry</i> , 2008, 622, 121-127.	3.8	24
43	Electrochromic polymers with multiple redox couples applied to monitor energy storage states of supercapacitors. <i>Chemical Communications</i> , 2020, 56, 5275-5278.	4.1	24
44	A novel polyfluorene derivative electrodeposited by direct anodic oxidation of 9-bromofluorene in boron trifluoride diethyl etherate and trifluoroacetic acid. <i>Journal of Electroanalytical Chemistry</i> , 2008, 612, 191-200.	3.8	23
45	Signal-on-molecularly imprinting-aptamer electrochemiluminescence platform for ultrasensitive detection of thrombin. <i>Sensors and Actuators B: Chemical</i> , 2021, 338, 129870.	7.8	23
46	Electrochemical doping engineering tuning of the thermoelectric performance of a Î-conjugated free-standing poly(thiophene-furan) thin-film. <i>Materials Chemistry Frontiers</i> , 2020, 4, 597-604.	5.9	22
47	An enhanced photoelectrochemical sensor for aflatoxin B1 detection based on organic-inorganic heterojunction nanomaterial: poly(5-formylindole)/NiO. <i>Mikrochimica Acta</i> , 2020, 187, 467.	5.0	21
48	Electrochemical copolymerization of 3,4-ethylenedioxythiophene and 5-methylindole and characterizations of the copolymers. <i>Journal of Applied Polymer Science</i> , 2008, 109, 373-381.	2.6	17
49	An electrochemical immunosensor for the tumor marker Î±-fetoprotein using a glassy carbon electrode modified with a poly(5-formylindole), single-wall carbon nanotubes, and coated with gold nanoparticles and antibody. <i>Mikrochimica Acta</i> , 2014, 181, 1601-1608.	5.0	17
50	Electrochemical copolymerization of 3,4-ethylenedioxythiophene and 6-cyanoindole and its electrochromic property. <i>Journal of Materials Science</i> , 2015, 50, 1836-1847.	3.7	17
51	A Free-standing electrochromic material of poly(5,7-bis(2-(3,4-ethylenedioxy)thienyl)indole) and its application in electrochromic device. <i>Journal of Polymer Science Part A</i> , 2017, 55, 2356-2364.	2.3	17
52	Direct low-potential electropolymerization of 9,10-dihydrophenanthrene in boron trifluoride diethyl etherate. <i>Journal of Applied Polymer Science</i> , 2010, 117, 793-800.	2.6	15
53	High performance multi-color prussian blue/poly(indole-5-carboxylic acid) nanocomposites with multiple layer nanosphere structure for electrochromic supercapacitor application. <i>Journal of Alloys and Compounds</i> , 2022, 921, 166140.	5.5	15
54	Effect of Functional Groups on the Thermoelectric Performance of Carbon Nanotubes. <i>Journal of Electronic Materials</i> , 2019, 48, 6978-6984.	2.2	14

#	ARTICLE	IF	CITATIONS
55	High performance electrochromic poly(5-cyanoindole)/TiO ₂ nanocomposite material for intelligent supercapacitor. <i>Synthetic Metals</i> , 2021, 277, 116785.	3.9	14
56	Electrosyntheses of high-quality polyphenanthrene in the electrolyte of boron trifluoride diethyl etherate containing trifluoroacetic acid. <i>Journal of Polymer Science Part A</i> , 2007, 45, 3929-3940.	2.3	13
57	Ultrasensitive ratiometric photoelectrochemical immunoassay for prostate specific antigen based on nanoscale heterojunction. <i>Sensors and Actuators B: Chemical</i> , 2021, 326, 128994.	7.8	13
58	Electrochemical copolymerization of indole and 3-methylthiophene. <i>Journal of Applied Polymer Science</i> , 2007, 104, 3129-3136.	2.6	11
59	A simple label-free photoelectrochemical aptasensor for ultrasensitive detection of thrombin. <i>Microchemical Journal</i> , 2020, 159, 105452.	4.5	10
60	A separated type cathode photoelectrochemical aptasensor for thrombin detection based on novel organic polymer heterojunction photoelectric material. <i>Microchemical Journal</i> , 2022, 175, 107140.	4.5	9
61	Green synthesis of air-stable tellurium nanowires <i>via</i> biomolecule-assisted hydrothermal for thermoelectrics. <i>Materials Advances</i> , 2020, 1, 1125-1133.	5.4	8
62	Solvent treatment inducing ultralong cycle stability poly(3,4-ethylenedioxythiophene):poly(styrenesulfonic acid) fibers as binding-free electrodes for supercapacitors. <i>International Journal of Energy Research</i> , 2020, 44, 5856-5865.	4.5	8
63	Improved respond speed of thienylene-phenylene electrochromic polymer with pendent double bond structure. <i>Dyes and Pigments</i> , 2022, 198, 110010.	3.7	8
64	Facile electrochemical preparation of poly(9,9-dichlorofluorene), a new polyfluorene derivative as green light emitter. <i>Journal of Polymer Science Part A</i> , 2010, 48, 1791-1799.	2.3	7
65	Low-potential facile electrosynthesis of free-standing poly(1H-benzo[g]indole) film as a yellow-light-emitter. <i>Journal of Polymer Science Part A</i> , 2015, 53, 2730-2738.	2.3	6
66	Facile Preparation of Oxygen Vacancy WO _{3-x} @TiO _{2-x} /Poly(indole-6-carboxylic) Tj ETQqO 0 0 rgBT /Overlock Application. <i>ACS Applied Energy Materials</i> , 2022, 5, 8443-8451.	5.1	6
67	High-performance hybrid polymer based on bis(alkoxy) ortho-substituted para-phenylene. <i>Journal of Polymer Science</i> , 2020, 58, 3370-3377.	3.8	4
68	Novel poly(1H-benzo[g]indole)/TiO ₂ nanocomposites for high-performance electrochromic supercapacitor application. <i>Journal of Polymer Science</i> , 2021, 59, 3100-3110.	3.8	4