

Winadda Wongwiriyan

List of Publications by Year in descending order

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1362
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Walled Carbon Nanotube Thin-Film Sensor for Ultrasensitive Gas Detection. Japanese Journal of Applied Physics, 2005, 44, L482-L484.	1.5	83
2	Single Crystalline Film of Hexagonal Boron Nitride Atomic Monolayer by Controlling Nucleation Seeds and Domains. Scientific Reports, 2015, 5, 16159.	3.3	72
3	Carbon-supported Pt-Ru nanoparticles prepared in glyoxylate-reduction system promoting precursor-support interaction. Journal of Materials Chemistry, 2010, 20, 5345.	6.7	63
4	In situ chemical vapor deposition of graphene and hexagonal boron nitride heterostructures. Current Applied Physics, 2016, 16, 1175-1191.	2.4	42
5	Electronic Transport in Multiwalled Carbon Nanotubes Contacted with Patterned Electrodes. Japanese Journal of Applied Physics, 2004, 43, L1081-L1084.	1.5	41
6	Ultrasensitive Ozone Detection Using Single-Walled Carbon Nanotube Networks. Japanese Journal of Applied Physics, 2006, 45, 3669-3671.	1.5	38
7	Preparation of activated carbon from bamboo-cellulose fiber and its use for EDLC electrode material. Journal of Environmental Chemical Engineering, 2017, 5, 1801-1808.	6.7	36
8	Piezoelectric-Induced Triboelectric Hybrid Nanogenerators Based on the ZnO Nanowire Layer Decorated on the Au/polydimethylsiloxane-Al Structure for Enhanced Triboelectric Performance. ACS Applied Materials & Interfaces, 2018, 10, 6433-6440.	8.0	32
9	Highly Sensitive Detection of Carbon Monoxide at Room Temperature Using Platinum-Decorated Single-Walled Carbon Nanotubes. Applied Physics Express, 2008, 1, 014004.	2.4	31
10	Preparation of activated carbon via acidic dehydration of durian husk for supercapacitor applications. Diamond and Related Materials, 2020, 107, 107906.	3.9	31
11	Adsorption Kinetics of NO ₂ on Single-Walled Carbon Nanotube Thin-Film Sensor. Japanese Journal of Applied Physics, 2008, 47, 8145.	1.5	27
12	Effects of microwave and oxygen plasma treatments on capacitive characteristics of supercapacitor based on multiwalled carbon nanotubes. Japanese Journal of Applied Physics, 2016, 55, 02BD05.	1.5	22
13	Growth of Single-Walled Carbon Nanotubes Rooted from Fe/Al Nanoparticle Array. Japanese Journal of Applied Physics, 2005, 44, 457-460.	1.5	21
14	Effect of photochemically oxidized carbon nanotubes on the deposition of platinum nanoparticles for fuel cell catalysts. Electrochemistry Communications, 2009, 11, 1472-1475.	4.7	18
15	Preparation and electrochemical performance of nitrogen-enriched activated carbon derived from silkworm pupae waste. RSC Advances, 2019, 9, 9878-9886.	3.6	18
16	Nitrogen self-doped activated carbons via the direct activation of Samanea saman leaves for high energy density supercapacitors. RSC Advances, 2019, 9, 21724-21732.	3.6	17
17	Present Advancement in Production of Carbon Nanotubes and Their Derivatives from Industrial Waste with Promising Applications. KONA Powder and Particle Journal, 2017, 34, 24-43.	1.7	16
18	Graphene and poly(methyl methacrylate) composite laminates on flexible substrates for volatile organic compound detection. Japanese Journal of Applied Physics, 2018, 57, 04FP10.	1.5	16

#	ARTICLE	IF	CITATIONS
19	Direct Growth of Single-Walled Carbon Nanotube Networks on Alumina Substrate: A Novel Route to Ultrasensitive Gas Sensor Fabrication. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 8227-8230.	1.5	14
20	Nitrogen-rich green leaves of papaya and <i>Coccinia grandis</i> as precursors of activated carbon and their electrochemical properties. <i>RSC Advances</i> , 2017, 7, 42064-42072.	3.6	14
21	Hybrid gas sensor based on platinum nanoparticles/poly(methyl methacrylate)-coated single-walled carbon nanotubes for dichloromethane detection with a high response magnitude. <i>Diamond and Related Materials</i> , 2016, 65, 183-190.	3.9	11
22	Texture orientation of silver thin films grown via gas-timing radio frequency magnetron sputtering and their SERS activity. <i>RSC Advances</i> , 2016, 6, 7661-7667.	3.6	11
23	Combined catalyst system for preferential growth of few-walled carbon nanotubes. <i>Carbon</i> , 2009, 47, 2543-2546.	10.3	10
24	Nitrogen-doped graphene nanosheet-double-walled carbon nanotube hybrid nanostructures for high-performance supercapacitors. <i>FlatChem</i> , 2021, 29, 100292.	5.6	10
25	Density of States of Single-Walled Carbon Nanotubes Grown on Metal Tip Apex. <i>Applied Physics Express</i> , 0, 2, 035005.	2.4	9
26	Highly Stable and Sensitive Gas Sensor Based on Single-Walled Carbon Nanotubes Protected by Metal-Oxide Coating Layer. <i>Applied Physics Express</i> , 2009, 2, 095008.	2.4	9
27	Poly(methyl methacrylate) and thiophene-coated single-walled carbon nanotubes for volatile organic compound discrimination. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 02BD04.	1.5	9
28	Comparison of acid exfoliators in carbon nanosheets synthesis from stinging nettle (<i>Urtica dioica</i>) for electrochemical applications. <i>Scientific Reports</i> , 2020, 10, 17270.	3.3	9
29	Direct Growth of Single-Walled Carbon Nanotubes on W Tip Apex. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 1880-1882.	1.5	7
30	Investigation on Electrochemical Properties of Sugarcane Leaves - Derived Activated Carbon by Steam Activation. <i>Solid State Phenomena</i> , 0, 302, 63-70.	0.3	6
31	Gold-Carbon Nanotube Composite Plating Film Deposited Using Non-Cyanide Bath. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 070217.	1.5	5
32	Electrodeposition of Manganese Oxide Nanosheets as Supercapacitor Electrode Materials. <i>Key Engineering Materials</i> , 0, 675-676, 273-276.	0.4	5
33	TiO ₂ /Pt/TiO ₂ Sandwich Nanostructures: Towards Alcohol Sensing and UV Irradiation-Assisted Recovery. <i>Journal of Chemistry</i> , 2017, 2017, 1-7.	1.9	5
34	Carbon nanotube/polydimethylsiloxane composite micropillar arrays using non-lithographic silicon nanowires as a template for performance enhancement of triboelectric nanogenerators. <i>Nanotechnology</i> , 2021, 32, 095303.	2.6	5
35	Synthesis of Carbon Nanotube and Carbon Nanofiber in Nanopore of Anodic Aluminum Oxide Template by Chemical Vapor Deposition at Atmospheric Pressure. <i>Advanced Materials Research</i> , 0, 557-559, 544-549.	0.3	4
36	Supercapacitor based on Multi-walled Carbon Nanotubes/Carbon Black Composites-coated Wooden Sheet. <i>Energy Procedia</i> , 2014, 56, 481-486.	1.8	4

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37	Carbon Nanotube/Manganese Oxide Thin Film Composites-Based Counter Electrode for Dye-Sensitized Solar Cell. <i>Key Engineering Materials</i> , 0, 675-676, 269-272.	0.4	3
38	Sensitivity Enhancement of Benzene Sensor Using Ethyl Cellulose-Coated Surface-Functionalized Carbon Nanotubes. <i>Journal of Sensors</i> , 2018, 2018, 1-9.	1.1	3
39	Effect of Metal Catalysts on Synthesis of Carbon Nanomaterials by Alcohol Catalytic Chemical Vapor Deposition. <i>Engineering Journal</i> , 2013, 17, 35-40.	1.0	2
40	Hydrogen Interaction with Single-Walled Carbon Nanotubes. <i>Applied Physics Express</i> , 2008, 1, 094001.	2.4	1
41	Polymer-Coated Single-Walled Carbon Nanotubes for Ethanol and Dichloromethane Discrimination. <i>Advanced Materials Research</i> , 0, 802, 267-272.	0.3	1
42	Study on Effect of Acid and Heat Treatments of Multi-Walled Carbon Nanotubes on Benzene Detection. <i>Advanced Materials Research</i> , 2015, 1103, 105-111.	0.3	1
43	Facile Growth Of Carbon Nanotube Electrode From Electroplated Ni Catalyst For Supercapacitor. <i>Advanced Materials Letters</i> , 2015, 6, 501-504.	0.6	1
44	Ultraviolet Photoresponse Properties of Single-Walled Carbon Nanotubes Decorated with Thickness-Controlled ZnO Layer by Pulsed Laser Deposition. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 055104.	1.5	0