

# Winadda Wongwiriyan

## List of Publications by Year in descending order

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44  
papers

783  
citations

516710

16  
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526287

27  
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44  
docs citations

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times ranked

1362  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen-doped graphene nanosheet-double-walled carbon nanotube hybrid nanostructures for high-performance supercapacitors. <i>FlatChem</i> , 2021, 29, 100292.	5.6	10
2	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
3	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
4	Preparation of activated carbon via acidic dehydration of durian husk for supercapacitor applications. <i>Diamond and Related Materials</i> , 2020, 107, 107906.	3.9	31
5	Nitrogen self-doped activated carbons via the direct activation of <i>Samanea saman</i> leaves for high energy density supercapacitors. <i>RSC Advances</i> , 2019, 9, 21724-21732.	3.6	17
6	Preparation and electrochemical performance of nitrogen-enriched activated carbon derived from silkworm pupae waste. <i>RSC Advances</i> , 2019, 9, 9878-9886.	3.6	18
7	Piezoelectric-Induced Triboelectric Hybrid Nanogenerators Based on the ZnO Nanowire Layer Decorated on the Au/polydimethylsiloxane-Al Structure for Enhanced Triboelectric Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 6433-6440.	8.0	32
8	Graphene and poly(methyl methacrylate) composite laminates on flexible substrates for volatile organic compound detection. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 04FP10.	1.5	16
9	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
10	Preparation of activated carbon from bamboo-cellulose fiber and its use for EDLC electrode material. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 1801-1808.	6.7	36
11	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
12	Present Advancement in Production of Carbon Nanotubes and Their Derivatives from Industrial Waste with Promising Applications. <i>KONA Powder and Particle Journal</i> , 2017, 34, 24-43.	1.7	16
13	TiO <sub>2</sub> /Pt/TiO <sub>2</sub> Sandwich Nanostructures: Towards Alcohol Sensing and UV Irradiation-Assisted Recovery. <i>Journal of Chemistry</i> , 2017, 2017, 1-7.	1.9	5
14	Effects of microwave and oxygen plasma treatments on capacitive characteristics of supercapacitor based on multiwalled carbon nanotubes. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 02BD05.	1.5	22
15	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
16	In situ chemical vapor deposition of graphene and hexagonal boron nitride heterostructures. <i>Current Applied Physics</i> , 2016, 16, 1175-1191.	2.4	42
17	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
18	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

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19	Single Crystalline Film of Hexagonal Boron Nitride Atomic Monolayer by Controlling Nucleation Seeds and Domains. <i>Scientific Reports</i> , 2015, 5, 16159.	3.3	72
20	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
21	Facile Growth Of Carbon Nanaotube Electrode From Electroplated Ni Catalyst For Supercapacitor. <i>Advanced Materials Letters</i> , 2015, 6, 501-504.	0.6	1
22	Supercapacitor based on Multi-walled Carbon Nanotubes/Carbon Black Composites-coated Wooden Sheet. <i>Energy Procedia</i> , 2014, 56, 481-486.	1.8	4
23	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
24	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
25	Carbon-supported Ptâ€“Ru nanoparticles prepared in glyoxylate-reduction system promoting precursorâ€“support interaction. <i>Journal of Materials Chemistry</i> , 2010, 20, 5345.	6.7	63
26	Goldâ€“Carbon Nanotube Composite Plating Film Deposited Using Non-Cyanide Bath. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 070217.	1.5	5
27	Effect of photochemically oxidized carbon nanotubes on the deposition of platinum nanoparticles for fuel cell catalysts. <i>Electrochemistry Communications</i> , 2009, 11, 1472-1475.	4.7	18
28	Combined catalyst system for preferential growth of few-walled carbon nanotubes. <i>Carbon</i> , 2009, 47, 2543-2546.	10.3	10
29	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
30	Adsorption Kinetics of NO <sub>2</sub> on Single-Walled Carbon Nanotube Thin-Film Sensor. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 8145.	1.5	27
31	Hydrogen Interaction with Single-Walled Carbon Nanotubes. <i>Applied Physics Express</i> , 2008, 1, 094001.	2.4	1
32	Highly Sensitive Detection of Carbon Monoxide at Room Temperature Using Platinum-Decorated Single-Walled Carbon Nanotubes. <i>Applied Physics Express</i> , 2008, 1, 014004.	2.4	31
33	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
34	Ultrasensitive Ozone Detection Using Single-Walled Carbon Nanotube Networks. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 3669-3671.	1.5	38
35	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
36	Growth of Single-Walled Carbon Nanotubes Rooted from Fe/Al Nanoparticle Array. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 457-460.	1.5	21

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37	Single-Walled Carbon Nanotube Thin-Film Sensor for Ultrasensitive Gas Detection. Japanese Journal of Applied Physics, 2005, 44, L482-L484.	1.5	83
38	Electronic Transport in Multiwalled Carbon Nanotubes Contacted with Patterned Electrodes. Japanese Journal of Applied Physics, 2004, 43, L1081-L1084.	1.5	41
39	Density of States of Single-Walled Carbon Nanotubes Grown on Metal Tip Apex. Applied Physics Express, 0, 2, 035005.	2.4	9
40	Synthesis of Carbon Nanotube and Carbon Nanofiber in Nanopore of Anodic Aluminum Oxide Template by Chemical Vapor Deposition at Atmospheric Pressure. Advanced Materials Research, 0, 557-559, 544-549.	0.3	4
41	Polymer-Coated Single-Walled Carbon Nanotubes for Ethanol and Dichloromethane Discrimination. Advanced Materials Research, 0, 802, 267-272.	0.3	1
42	Electrodeposition of Manganese Oxide Nanosheets as Supercapacitor Electrode Materials. Key Engineering Materials, 0, 675-676, 273-276.	0.4	5
43	Carbon Nanotube/Manganese Oxide Thin Film Composites-Based Counter Electrode for Dye-Sensitized Solar Cell. Key Engineering Materials, 0, 675-676, 269-272.	0.4	3
44	Investigation on Electrochemical Properties of Sugarcane Leaves - Derived Activated Carbon by Steam Activation. Solid State Phenomena, 0, 302, 63-70.	0.3	6