

# Kwok Feng Chong

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

3,727  
citations

94381

37  
h-index

133188

59  
g-index

81  
all docs

81  
docs citations

81  
times ranked

4050  
citing authors

#	ARTICLE	IF	CITATIONS
1	High surface area activated carbon from rice husk as a high performance supercapacitor electrode. <i>Electrochimica Acta</i> , 2016, 192, 110-119.	2.6	384
2	Performance of Flexible and Binderless Polypyrrole/Graphene Oxide/Zinc Oxide Supercapacitor Electrode in a Symmetrical Two-Electrode Configuration. <i>Electrochimica Acta</i> , 2015, 157, 88-94.	2.6	201
3	MWCNTs-Fe <sub>3</sub> O <sub>4</sub> nanocomposite for Hg(II) high adsorption efficiency. <i>Journal of Molecular Liquids</i> , 2018, 258, 345-353.	2.3	136
4	High performance MnO <sub>2</sub> nanoflower supercapacitor electrode by electrochemical recycling of spent batteries. <i>Ceramics International</i> , 2017, 43, 8440-8448.	2.3	132
5	Biowaste Sago Bark Based Catalyst Free Carbon Nanospheres: Waste to Wealth Approach. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2247-2253.	3.2	111
6	Co <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> nanocomposites for supercapacitor application. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 2505-2512.	1.2	103
7	Graphene oxide-based hydrogels as a nanocarrier for anticancer drug delivery. <i>Nano Research</i> , 2019, 12, 973-990.	5.8	97
8	CaO impregnated highly porous honeycomb activated carbon from agriculture waste: symmetrical supercapacitor study. <i>Journal of Materials Science</i> , 2019, 54, 683-692.	1.7	93
9	One-step electrochemical synthesis of MoS <sub>2</sub> /graphene composite for supercapacitor application. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 25-34.	1.2	91
10	Carbon nanospheres derived from <i>Lablab purpureus</i> for high performance supercapacitor electrodes: a green approach. <i>Dalton Transactions</i> , 2017, 46, 14034-14044.	1.6	84
11	Electrochemical performance studies of MnO <sub>2</sub> nanoflowers recovered from spent battery. <i>Materials Research Bulletin</i> , 2014, 60, 5-9.	2.7	78
12	Magnetic Electrodeposition of the Hierarchical Cobalt Oxide Nanostructure from Spent Lithium-Ion Batteries: Its Application as a Supercapacitor Electrode. <i>Journal of Physical Chemistry C</i> , 2018, 122, 12200-12206.	1.5	77
13	Optimizing Reduced Graphene Oxide Aerogel for a Supercapacitor. <i>Energy &amp; Fuels</i> , 2021, 35, 4559-4569.	2.5	74
14	One-step electrosynthesis of MnO <sub>2</sub> /rGO nanocomposite and its enhanced electrochemical performance. <i>Ceramics International</i> , 2018, 44, 7799-7807.	2.3	72
15	W18O49 nanowires-graphene nanocomposite for asymmetric supercapacitors employing AlCl <sub>3</sub> aqueous electrolyte. <i>Chemical Engineering Journal</i> , 2021, 409, 128216.	6.6	72
16	Superior supercapacitive performance in porous nanocarbons. <i>Journal of Energy Chemistry</i> , 2016, 25, 734-739.	7.1	71
17	Transesterification of used cooking oil over alkali metal (Li, Na, K) supported rice husk silica as potential solid base catalyst. <i>Engineering Science and Technology, an International Journal</i> , 2014, 17, 95-103.	2.0	68
18	High performance supercapacitor using catalysis free porous carbon nanoparticles. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 495307.	1.3	64

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19	Cell Adhesion Properties on Photochemically Functionalized Diamond. <i>Langmuir</i> , 2007, 23, 5615-5621.	1.6	61
20	Potentiostatic and galvanostatic electrodeposition of manganese oxide for supercapacitor application: A comparison study. <i>Current Applied Physics</i> , 2015, 15, 1143-1147.	1.1	61
21	The Recent Progress on Silver Nanoparticles: Synthesis and Electronic Applications. <i>Nanomaterials</i> , 2021, 11, 2318.	1.9	59
22	Al <sup>3+</sup> ion intercalation pseudocapacitance study of W18O49 nanostructure. <i>Journal of Power Sources</i> , 2019, 438, 227028.	4.0	58
23	Flake size-dependent adsorption of graphene oxide aerogel. <i>Journal of Molecular Liquids</i> , 2019, 277, 175-180.	2.3	57
24	Calcium-based nanosized mixed metal oxides for supercapacitor application. <i>Ceramics International</i> , 2015, 41, 8230-8234.	2.3	55
25	Photocatalytic performance of a novel semiconductor nanocatalyst: Copper doped nickel oxide for phenol degradation. <i>Materials Chemistry and Physics</i> , 2020, 242, 122520.	2.0	54
26	One-step production of pyrene-1-boronic acid functionalized graphene for dopamine detection. <i>Materials Chemistry and Physics</i> , 2019, 231, 286-291.	2.0	53
27	Metal-organic frameworks (MOFs) based nanofiber architectures for the removal of heavy metal ions. <i>RSC Advances</i> , 2022, 12, 1433-1450.	1.7	53
28	A wide potential window symmetric supercapacitor by TEMPO functionalized MWCNTs. <i>Journal of Molecular Liquids</i> , 2018, 271, 31-39.	2.3	52
29	Aminopyrene functionalized reduced graphene oxide as a supercapacitor electrode. <i>RSC Advances</i> , 2015, 5, 38111-38116.	1.7	49
30	Capacitive performance of cysteamine functionalized carbon nanotubes. <i>Materials Chemistry and Physics</i> , 2017, 197, 100-104.	2.0	49
31	Ferrocene functionalized multi-walled carbon nanotubes as supercapacitor electrodes. <i>Journal of Molecular Liquids</i> , 2020, 318, 114064.	2.3	47
32	Layered sodium titanate nanostructures as a new electrode for high energy density supercapacitors. <i>Electrochimica Acta</i> , 2013, 113, 141-148.	2.6	44
33	Optimizing Biosensing Properties on Undecylenic Acid-Functionalized Diamond. <i>Langmuir</i> , 2007, 23, 5824-5830.	1.6	43
34	One-pot synthesis of isotype heterojunction g-C <sub>3</sub> N <sub>4</sub> -MO photocatalyst for effective tetracycline hydrochloride antibiotic and reactive orange 16 dye removal. <i>Advanced Powder Technology</i> , 2020, 31, 1891-1902.	2.0	43
35	High-Performance Supercapacitor Based on Three-Dimensional Hierarchical rGO/Nickel Cobaltite Nanostructures as Electrode Materials. <i>Journal of Physical Chemistry C</i> , 2016, 120, 21202-21210.	1.5	42
36	Doubling of electrochemical parameters via the pre-intercalation of Na <sup>+</sup> in layered MnO <sub>2</sub> nanoflakes compared to $\delta$ -MnO <sub>2</sub> nanorods. <i>RSC Advances</i> , 2015, 5, 9667-9673.	1.7	39

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37	Superior supercapacitance behavior of oxygen self-doped carbon nanospheres: a conversion of <i>Allium cepa</i> peel to energy storage system. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 1311-1323.	2.9	39
38	Size-dependent corrosion behavior of graphene oxide coating. <i>Progress in Organic Coatings</i> , 2019, 134, 272-280.	1.9	39
39	Colchicine prodrugs and codrugs: Chemistry and bioactivities. <i>European Journal of Medicinal Chemistry</i> , 2018, 144, 229-242.	2.6	38
40	Influence of surface properties on electrochemical supercapacitors utilizing <i>Callerya atropurpurea</i> pod derived porous nanocarbons: Structure property relationship between porous structures to energy storage devices. <i>Nano Select</i> , 2020, 1, 226-243.	1.9	37
41	Electrospun nanofiber membranes as ultrathin flexible supercapacitors. <i>RSC Advances</i> , 2017, 7, 12033-12040.	1.7	35
42	In situ growth of redox-active iron-centered nanoparticles on graphene sheets for specific capacitance enhancement. <i>Arabian Journal of Chemistry</i> , 2019, 12, 3883-3889.	2.3	34
43	Poly(hydroxamic acid) palladium catalyst for heck reactions and its application in the synthesis of Ozagrel. <i>Journal of Catalysis</i> , 2017, 350, 103-110.	3.1	31
44	Reduction of graphene oxide nanosheets by natural beta carotene and its potential use as supercapacitor electrode. <i>Arabian Journal of Chemistry</i> , 2015, 8, 560-569.	2.3	30
45	Impedimetric graphene-based biosensor for the detection of <i>Escherichia coli</i> DNA. <i>Analytical Methods</i> , 2014, 6, 7935-7941.	1.3	29
46	Quantitative determination of Al(iii) ion by using Alizarin Red S including its microspheres optical sensing material. <i>Analytical Methods</i> , 2013, 5, 2602.	1.3	28
47	Acrylic microspheres-based optosensor for visual detection of nitrite. <i>Food Chemistry</i> , 2016, 207, 132-138.	4.2	27
48	Bio-waste corn-cob cellulose supported poly(hydroxamic acid) copper complex for Huisgen reaction: Waste to wealth approach. <i>Carbohydrate Polymers</i> , 2017, 156, 175-181.	5.1	27
49	Structural, optical and electrical characteristics of sulfur incorporated ZnSe thin films. <i>Optik</i> , 2018, 164, 527-537.	1.4	25
50	Recent developments on ( $\alpha^{\prime}$ )-colchicine derivatives: Synthesis and structure-activity relationship. <i>European Journal of Medicinal Chemistry</i> , 2020, 185, 111788.	2.6	24
51	Preparation of Mg-doped TiO <sub>2</sub> nanoparticles for photocatalytic degradation of some organic pollutants. <i>Studia Universitatis Babeş-Bolyai Chemia</i> , 2019, 64, 7-18.	0.1	24
52	Whole cell environmental biosensor on diamond. <i>Analyst</i> , 2008, 133, 739.	1.7	22
53	Taguchi L25 (54) Approach for Methylene Blue Removal by Polyethylene Terephthalate Nanofiber-Multi-Walled Carbon Nanotube Composite. <i>Water (Switzerland)</i> , 2022, 14, 1242.	1.2	22
54	Selective magnetic nanographene oxide solid-phase extraction with high-performance liquid chromatography and fluorescence detection for the determination of zearalenone in corn samples. <i>Journal of Separation Science</i> , 2018, 41, 4348-4354.	1.3	21

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55	An electrochemical DNA biosensor fabricated from graphene decorated with graphitic nanospheres. <i>Nanotechnology</i> , 2020, 31, 485501.	1.3	21
56	Electrochemical Biosensor for Nitrite Based on Polyacrylic-Graphene Composite Film with Covalently Immobilized Hemoglobin. <i>Sensors</i> , 2018, 18, 1343.	2.1	20
57	MnO <sub>2</sub> /CNT as ORR Electrocatalyst in Air-Cathode Microbial Fuel Cells. <i>Procedia Chemistry</i> , 2015, 16, 640-647.	0.7	19
58	Recycling of Cobalt Oxides Electrodes from Spent Lithium-Ion Batteries by Electrochemical Method. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2021, , 91-123.	1.4	19
59	Electrochemical Properties of Electrodeposited MnO <sub>2</sub> Nanoparticles. <i>Advanced Materials Research</i> , 0, 1113, 550-553.	0.3	17
60	Facile synthesis of reduced graphene oxide aerogel in soft drink as supercapacitor electrode. <i>Journal of Nanostructure in Chemistry</i> , 2022, 12, 417-427.	5.3	16
61	Carbon Nanotube-Modified MnO <sub>2</sub> : An Efficient Electrocatalyst for Oxygen Reduction Reaction. <i>ChemistrySelect</i> , 2017, 2, 7637-7644.	0.7	16
62	High Surface Area Mesoporous Silica for Hydrogen Sulfide Effective Removal. <i>Current Nanoscience</i> , 2020, 16, 226-234.	0.7	16
63	A Biosensor for Genetic Modified Soybean DNA Determination via Adsorption of Anthraquinone-2-sulphonic Acid in Reduced Graphene Oxide. <i>Electroanalysis</i> , 2018, 30, 250-258.	1.5	13
64	Photocurrents in crystal/amorphous hybrid stannous oxide/alumina binary nanofibers. <i>Journal of the American Ceramic Society</i> , 2019, 102, 6337-6348.	1.9	13
65	Highly stable symmetric supercapacitor from cysteamine functionalized multi-walled carbon nanotubes operating in a wide potential window. <i>Materials Today: Proceedings</i> , 2019, 16, 2273-2279.	0.9	12
66	Optical and Electrochemical Properties of Co <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> Nanocomposite. <i>Advanced Materials Research</i> , 0, 1133, 447-451.	0.3	11
67	Recycled Nanomaterials for Energy Storage (Supercapacitor) Applications. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2021, , 175-202.	1.4	10
68	Tailoring graphene reinforced thermoset and biothermoset composites. <i>Reviews in Chemical Engineering</i> , 2020, 36, 623-652.	2.3	8
69	Facile Corrosion Protection Coating from Graphene. <i>International Journal of Chemical Engineering and Applications (IJCEA)</i> , 2012, , 453-455.	0.3	8
70	Flakes Size-Dependent Optical and Electrochemical Properties of MoS <sub>2</sub> . <i>Current Nanoscience</i> , 2018, 14, 416-420.	0.7	7
71	A regenerable screen-printed voltammetric Hg(II) ion sensor based on tris-thiourea organic chelating ligand grafted graphene nanomaterial. <i>Journal of Electroanalytical Chemistry</i> , 2020, 878, 114670.	1.9	7
72	An investigation on temperature-dependant surface properties of porous carbon nanoparticles derived from biomass. <i>Journal of Nanostructure in Chemistry</i> , 2022, 12, 495-511.	5.3	7

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73	A whole cell bio-optode based on immobilized nitrite-degrading microorganism on the acrylic microspheres for visual quantitation of nitrite ion. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2844-2852.	4.0	6
74	Acacia auriculiformis-derived Bimodal Porous Nanocarbons via Self-Activation for High-Performance Supercapacitors. <i>Frontiers in Energy Research</i> , 2021, 9, .	1.2	6
75	Experimental and quantum investigations of novel corrosion inhibitors based triazene derivatives for mild steel. <i>Journal of Molecular Structure</i> , 2021, 1242, 130831.	1.8	5
76	Dual-functional single stranded deoxyribonucleic acid for graphene oxide reduction and charge storage enhancement. <i>Electrochimica Acta</i> , 2021, 399, 139366.	2.6	4
77	Rapid and sensitive E-Coli DNA detection by titanium dioxide nanoparticles. , 2014, , .		2
78	Study on Modified Hummers Method for Partially Oxidized Graphene Oxide Synthesis. <i>Materials Science Forum</i> , 0, 981, 23-28.	0.3	1
79	A promising electrochemical sensing platform based on a graphene nanomaterials for sensitive sulfite determination. , 2015, , .		0
80	Corrosion Protection Coatings from Size-Specified Graphene Oxide. <i>Materials Science Forum</i> , 0, 981, 29-33.	0.3	0