

# Suk Fun Chin

## List of Publications by Year in descending order

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71  
papers

2,476  
citations

186265

28  
h-index

197818

49  
g-index

72  
all docs

72  
docs citations

72  
times ranked

3618  
citing authors

#	ARTICLE	IF	CITATIONS
1	Size controlled synthesis of starch nanoparticles by a simple nanoprecipitation method. Carbohydrate Polymers, 2011, 86, 1817-1819.	10.2	203
2	Fabrication of hydrophobic and magnetic cellulose aerogel with high oil absorption capacity. Materials Letters, 2014, 115, 241-243.	2.6	146
3	Carbon dots production via pyrolysis of sago waste as potential probe for metal ions sensing. Journal of Analytical and Applied Pyrolysis, 2014, 105, 157-165.	5.5	143
4	Material and Electrochemical Characterization of Tetrapropylammonium Manganese Oxide Thin Films as Novel Electrode Materials for Electrochemical Capacitors. Journal of the Electrochemical Society, 2002, 149, A379.	2.9	135
5	A unique "turn-on" fluorescence signalling strategy for highly specific detection of ascorbic acid using carbon dots as sensing probe. Biosensors and Bioelectronics, 2016, 85, 844-852.	10.1	110
6	Synthesis and Characterization of Zinc Oxide Nanoparticles with Small Particle Size Distribution. Acta Chimica Slovenica, 2018, 65, 578-585.	0.6	105
7	Detection of Sn(II) ions via quenching of the fluorescence of carbon nanodots. Mikrochimica Acta, 2013, 180, 137-143.	5.0	98
8	Preparation and Characterization of Starch Nanoparticles for Controlled Release of Curcumin. International Journal of Polymer Science, 2014, 2014, 1-8.	2.7	83
9	Facile and Green Approach To Fabricate Gold and Silver Coated Superparamagnetic Nanoparticles. Crystal Growth and Design, 2009, 9, 2685-2689.	3.0	81
10	Redox equilibria of iron oxides in aqueous-based magnetite dispersions: Effect of pH and redox potential. Journal of Colloid and Interface Science, 2007, 311, 94-101.	9.4	79
11	Size Selective Synthesis of Superparamagnetic Nanoparticles in Thin Fluids under Continuous Flow Conditions. Advanced Functional Materials, 2008, 18, 922-927.	14.9	71
12	Starch "maleate" polyvinyl alcohol hydrogels with controllable swelling behaviors. Carbohydrate Polymers, 2011, 84, 424-429.	10.2	64
13	Preparation and Characterization of Chitosan Nanoparticles-Doped Cellulose Films with Antimicrobial Property. Journal of Nanomaterials, 2014, 2014, 1-10.	2.7	58
14	Encapsulation and Sustained Release of Curcumin using Superparamagnetic Silica Reservoirs. Chemistry - A European Journal, 2009, 15, 5661-5665.	3.3	52
15	Facile synthesis of carbon nanoparticles from sodium alginate via ultrasonic-assisted nano-precipitation and thermal acid dehydration for ferric ion sensing. Sensors and Actuators B: Chemical, 2015, 209, 997-1004.	7.8	50
16	Nanoparticulate magnetite thin films as electrode materials for the fabrication of electrochemical capacitors. Journal of Materials Science, 2010, 45, 5598-5604.	3.7	49
17	Formulation of choline chloride/ascorbic acid natural deep eutectic solvent: Characterization, solubilization capacity and antioxidant property. LWT - Food Science and Technology, 2020, 133, 110096.	5.2	49
18	Facile synthesis of fluorescent carbon nanodots from starch nanoparticles. Materials Letters, 2012, 85, 50-52.	2.6	47

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19	Size controlled fabrication of cellulose nanoparticles for drug delivery applications. Journal of Drug Delivery Science and Technology, 2018, 43, 262-266.	3.0	47
20	Carbon nanoparticle modified screen printed carbon electrode as a disposable electrochemical immunosensor strip for the detection of Japanese encephalitis virus. Mikrochimica Acta, 2017, 184, 491-497.	5.0	45
21	Facile synthesis of starch-maleate monoesters from native sago starch. Carbohydrate Polymers, 2012, 88, 1195-1200.	10.2	44
22	Size Controlled Synthesis of Starch Nanoparticles by a Microemulsion Method. Journal of Nanomaterials, 2014, 2014, 1-7.	2.7	44
23	Magnetite ferrofluids stabilized by sulfonato-calixarenes. Chemical Communications, 2007, , 1948.	4.1	41
24	Fabrication of carbon nano-tubes decorated with ultra fine superparamagnetic nano-particles under continuous flow conditions. Lab on A Chip, 2008, 8, 439.	6.0	39
25	Sol-gel synthesis of silver/titanium dioxide (Ag/TiO <sub>2</sub> ) core-shell nanowires for photocatalytic applications. Materials Letters, 2011, 65, 2673-2675.	2.6	37
26	Self-assembled manganese dioxide nanowires as electrode materials for electrochemical capacitors. Materials Letters, 2010, 64, 2670-2672.	2.6	36
27	Highly porous cellulose beads of controllable sizes derived from regenerated cellulose of printed paper wastes. Materials Letters, 2016, 164, 264-266.	2.6	35
28	Integrated miniature fluorescent probe to leverage the sensing potential of ZnO quantum dots for the detection of copper (II) ions. Talanta, 2013, 116, 514-519.	5.5	31
29	Carbon Nanoparticles Based Electrochemical Biosensor Strip for Detection of Japanese Encephalitis Virus. Journal of Nanomaterials, 2017, 2017, 1-7.	2.7	30
30	Antimicrobial starch-citrate hydrogel for potential applications as drug delivery carriers. Journal of Drug Delivery Science and Technology, 2019, 54, 101239.	3.0	28
31	The Capacitive Behaviors of Manganese Dioxide Thin-Film Electrochemical Capacitor Prototypes. International Journal of Electrochemistry, 2011, 2011, 1-10.	2.4	26
32	A facile approach for controlled synthesis of hydrophilic starch-based nanoparticles from native sago starch. Starch/Staerke, 2012, 64, 984-990.	2.1	26
33	Regeneration of cello-oligomers via selective depolymerization of cellulose fibers derived from printed paper wastes. Carbohydrate Polymers, 2016, 142, 31-37.	10.2	24
34	Fabrication of Magnetite/Silica/Titania Core-Shell Nanoparticles. Journal of Nanomaterials, 2012, 2012, 1-6.	2.7	23
35	Facile synthesis of nickel nanowires with controllable morphology. Materials Letters, 2015, 142, 1-3.	2.6	22
36	Porous Cellulose Beads Fabricated from Regenerated Cellulose as Potential Drug Delivery Carriers. Journal of Chemistry, 2017, 2017, 1-11.	1.9	22

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37	Starch-based gel electrolyte thin films derived from native sago (Metroxylon sago) starch. <i>Ionics</i> , 2014, 20, 1455-1462.	2.4	18
38	Utilising the interface interaction on tris(hydroxymethyl)aminomethane-capped carbon dots to enhance the sensitivity and selectivity towards the detection of Co(II) ions. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 83-92.	7.8	18
39	Facile Synthesis of Curcumin-Loaded Starch-Maleate Nanoparticles. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-7.	2.7	17
40	The luminescence profile of carbon dots synthesized from $\beta$ -cellulose under different acid hydrolysis conditions. <i>Optical Materials</i> , 2017, 70, 50-56.	3.6	17
41	Synthesis and Characterization of Magnetite/Carbon Nanocomposite Thin Films for Electrochemical Applications. <i>Journal of Materials Science and Technology</i> , 2011, 27, 873-878.	10.7	15
42	Controlled Synthesis of Manganese Dioxide Nanostructures via a Facile Hydrothermal Route. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-7.	2.7	15
43	Carbon nanodots as molecular scaffolds for development of antimicrobial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 1745-1749.	2.2	14
44	Antimicrobial Starch-Based Film for Food Packaging Application. <i>Starch/Staerke</i> , 2022, 74, .	2.1	13
45	Tetrapropylammonium-manganese oxide/polypyrrole hybrid nanocomposite thin films as novel electrode materials for supercapacitors. <i>Materials Chemistry and Physics</i> , 2010, 124, 29-32.	4.0	12
46	Nitrogen doped carbon nanodots as fluorescent probes for selective detection and quantification of Ferric(III) ions. <i>Optical Materials</i> , 2017, 73, 77-82.	3.6	12
47	pH-Responsive Starch-Citrate Nanoparticles for Controlled Release of Paracetamol. <i>Starch/Staerke</i> , 2019, 71, 1800336.	2.1	12
48	A Novel Silver Nanoparticles-based Sensing Probe for the Detection of Japanese Encephalitis Virus Antigen. <i>Sains Malaysiana</i> , 2017, 46, 2447-2454.	0.5	10
49	Optimizing Delivery Characteristics of Curcumin as a Model Drug via Tailoring Mean Diameter Ranges of Cellulose Beads. <i>International Journal of Polymer Science</i> , 2017, 2017, 1-10.	2.7	9
50	pH-responsive carboxylic cellulose acetate nanoparticles for controlled release of penicillin G. <i>Journal of Science: Advanced Materials and Devices</i> , 2020, 5, 224-232.	3.1	9
51	Interface Study on Zinc Oxide Quantum Dots Using Fluorometric and Regression Analysis in View of Optical Sensing. <i>Analytical Letters</i> , 2013, 46, 1278-1288.	1.8	7
52	Controlled Depolymerization of Cellulose Fibres Isolated from Lignocellulosic Biomass Wastes. <i>International Journal of Polymer Science</i> , 2018, 2018, 1-11.	2.7	7
53	Synthesis and Characterisation of Piperine-loaded Starch Nanoparticles. <i>Journal of Physical Science</i> , 2020, 31, 57-68.	0.9	7
54	Synthesis and Characterization of Novel Water Soluble Starch Tartarate Nanoparticles. <i>ISRN Materials Science</i> , 2012, 2012, 1-5.	1.0	6

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55	Fluorescein-Labeled Starch Maleate Nanoparticles as Sensitive Fluorescent Sensing Probes for Metal Ions. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-8.	2.7	6
56	Disposable Carbon Dots Modified Screen Printed Carbon Electrode Electrochemical Sensor Strip for Selective Detection of Ferric Ions. <i>Journal of Sensors</i> , 2017, 2017, 1-7.	1.1	6
57	Synthesis and characterization of single phase ZnO nanostructures via solvothermal method: influence of alkaline source. <i>Biointerface Research in Applied Chemistry</i> , 2020, 10, 5648-5655.	1.0	6
58	Preparation and Characterization of Self-Assembled Manganese Dioxide Thin Films. <i>Journal of Nanotechnology</i> , 2011, 2011, 1-7.	3.4	3
59	Manganese Dioxide Nanowires of Tunable Dimensions Synthesized via a Facile Hydrothermal Route. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-5.	2.7	3
60	Green Synthesis and Characterization of Amine-Modified Starch Nanoparticles. <i>Starch/Staerke</i> , 2021, 73, 2000020.	2.1	3
61	Nanostructured Multilayer Composite Films of Manganese Dioxide/Nickel/Copper Sulfide Deposited on Polyethylene Terephthalate Supporting Substrate. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-11.	2.7	2
62	Superparamagnetic core-shell nanoparticles for biomedical applications. , 2010, , .		1
63	Conversion of Sago (Metroxylon sago) Pith Waste to Fermentable Sugars via a Facile Depolymerization Process. <i>Applied Biochemistry and Biotechnology</i> , 2018, 184, 1142-1154.	2.9	1
64	Starch Acetate Nanoparticles as Controlled Release Nanocarriers for Piperine. <i>Starch/Staerke</i> , 2021, 73, 2100054.	2.1	1
65	Sorption of Coated and Uncoated Nanocrystalline Zinc Oxide from Aqueous Solutions onto Raw and Acetylated Cellulose Sago Hampas: Equilibrium, Kinetic and Thermodynamic Studies. <i>Defect and Diffusion Forum</i> , 0, 411, 37-54.	0.4	1
66	Variation of Alkali Concentration and Temperature: Its Effect on the Morphology of ZnO Nanoparticles Synthesized via Solvothermal Technique. <i>Defect and Diffusion Forum</i> , 0, 411, 3-15.	0.4	1
67	Encapsulation of Magnetic Nanoparticles with Biopolymer for Biomedical Application. , 2006, , .		0
68	Synthesis and Characterization of Manganese Oxide and Hybrid Nanocomposite Thin Films. , 2006, , .		0
69	Synthesis and Characterization of Silver/Titanium dioxide Core-Shell Nanoparticles. <i>Borneo Journal of Resource Science and Technology</i> , 2016, 3, 21-24.	0.1	0
70	Removal of zinc oxide nanoparticles in aqueous environment using functionalized sorbents derived from sago waste. <i>International Journal of Environmental Science and Technology</i> , 0, , 1.	3.5	0
71	MODELLING THE EFFECT OF WOOD AND MAIZE COB-DERIVED BIOCHAR APPLICATION ON SOIL DYNAMICS AND MAIZE GROWTH FOR SUSTAINABLE AGRICULTURE. <i>Journal of Sustainability Science and Management</i> , 2022, 17, 3-23.	0.5	0