

Soon Huat Tan

List of Publications by Year in descending order

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56
papers

1,399
citations

361413

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345221

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docs citations

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times ranked

2055
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrospun carboxylâ€functionalised multiâ€walled carbon nanotube/poly(vinyl alcohol) asymmetric pervaporation membrane: Application and modeling. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51953.	2.6	1
2	Intrinsic microspheres structure of electrospun nanofibrous membrane with rational superhydrophobicity for desalination via membrane distillation. <i>Desalination</i> , 2022, 527, 115594.	8.2	26
3	Modification of the commercial polyester filter media support with electrospun polyethylene terephthalate fibers and its application for air purification. <i>Science and Technology for the Built Environment</i> , 2022, 28, 928-943.	1.7	2
4	Selective synthesis of triacetyl glyceride biofuel additive via acetylation of glycerol over NiO-supported TiO ₂ catalyst enhanced by non-microwave instant heating. <i>Applied Surface Science</i> , 2021, 545, 149017.	6.1	10
5	Fabrication of asymmetric zinc oxide/carbon nanotubes coated polysulfone photocatalytic nanocomposite membrane for fouling mitigation. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51194.	2.6	6
6	Highâ€flux strategy for electrospun nanofibers in membrane distillation to treat aquaculture wastewater: a review. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 3259-3272.	3.2	20
7	Acid-base bifunctional SBA-15 as an active and selective catalyst for synthesis of ethyl Î±-cyanocinnamate via Knoevenagel condensation. <i>Microporous and Mesoporous Materials</i> , 2021, 320, 111091.	4.4	18
8	Fast, low-pressure, low-temperature microwave synthesis of ABW cesium aluminosilicate zeolite nanocatalyst in organotemplate-free hydrogel system. <i>Materials Research Bulletin</i> , 2020, 122, 110691.	5.2	3
9	Recyclable synthesis of Cs-ABW zeolite nanocrystals from non-reacted mother liquors with excellent catalytic henry reaction performance. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103579.	6.7	7
10	Controlled Carbonization Heating Rate for Enhancing CO ₂ Separation Based on Single Gas Studies. <i>Periodica Polytechnica: Chemical Engineering</i> , 2020, 65, 97-104.	1.1	3
11	Organotemplate-free Cs-ABW nanozeolite as highly reactive and recyclablecatalyst for Henry reaction between benzaldehyde and nitroethane. <i>Turkish Journal of Chemistry</i> , 2019, 43, 568-581.	1.2	1
12	Esterification of palm fatty acid distillate with methanol via single-step pervaporation membrane reactor: A novel biodiesel production method. <i>Energy Conversion and Management</i> , 2019, 201, 112110.	9.2	26
13	Synthesis of Cs-ABW nanozeolite in organotemplate-free system. <i>Microporous and Mesoporous Materials</i> , 2019, 277, 78-83.	4.4	22
14	Multi-walled carbon nanotubes buckypaper/epoxy composites: effect of loading and pressure on tensile and electrical properties. <i>Polymer Bulletin</i> , 2019, 76, 2801-2817.	3.3	18
15	Asymmetric membrane containing electrospun Cu-BTC/poly(vinyl alcohol) for pervaporation dehydration of 1,4-dioxane. <i>Separation and Purification Technology</i> , 2018, 192, 240-252.	7.9	12
16	Effect of black ink loading on the properties of multi-walled carbon nanotubes/glass fibre/epoxy laminated hybrid composites. <i>Polymer Bulletin</i> , 2018, 75, 3357-3375.	3.3	6
17	Carbon Membranes Prepared from a Polymer Blend of Polyethylene Glycol and Polyetherimide. <i>Chemical Engineering and Technology</i> , 2017, 40, 94-102.	1.5	20
18	Carbon Nanotube-Based Biodegradable Polymeric Nanocomposites: 3Rs (Reduce, Reuse, and Recycle) in the Design. , 2017, , 1-17.		0

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19	Properties of Fiberglass/MWCNT Buckypaper/Epoxy Laminated Composites. <i>Procedia Chemistry</i> , 2016, 19, 935-942.	0.7	8
20	Functionalized Multi-Walled Carbon Nanotubes as Heterogeneous Lewis Acid Catalysts in the Etherification Reaction of <i>tert</i> -Butyl Alcohol and Ethanol. <i>Chemical Engineering Communications</i> , 2016, 203, 1385-1394.	2.6	1
21	Pervaporation separation of a ternary azeotrope containing ethyl acetate, ethanol and water using a buckypaper supported ionic liquid membrane. <i>Chemical Engineering Research and Design</i> , 2016, 109, 116-126.	5.6	35
22	Rebuttal to the comment on article "Poly(3-hydroxybutyrate)-functionalised multi-walled carbon nanotubes/chitosan green nanocomposite membranes and their application in pervaporation". <i>Separation and Purification Technology</i> , 2016, 158, 94-95.	7.9	2
23	Synthesis of the novel symmetric buckypaper supported ionic liquid membrane for the dehydration of ethylene glycol by pervaporation. <i>Separation and Purification Technology</i> , 2015, 143, 135-145.	7.9	22
24	A facile and acid-free approach towards the preparation of sulphonated multi-walled carbon nanotubes as a strong protonic acid catalyst for biodiesel production. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 52, 100-108.	5.3	35
25	Biodiesel Production via Esterification of Palm Fatty Acid Distillate Using Sulphonated Multi-walled Carbon Nanotubes as a Solid Acid Catalyst: Process Study, Catalyst Reusability and Kinetic Study. <i>Bioenergy Research</i> , 2015, 8, 605-617.	3.9	37
26	Authors' Reply to the Letter to the Editor: Reply to "Non green perspective on biodegradable polymer nanocomposites". <i>Brazilian Journal of Chemical Engineering</i> , 2015, 32, 976-976.	1.3	2
27	Study on the Reusability of Multiwalled Carbon Nanotubes in Biodegradable Chitosan Nanocomposites. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 1236-1250.	1.9	10
28	Novel MWCNT-buckypaper/polyvinyl alcohol asymmetric membrane for dehydration of etherification reaction mixture: Fabrication, characterisation and application. <i>Journal of Membrane Science</i> , 2014, 453, 546-555.	8.2	28
29	A Review on the Use and Stability of Supported Liquid Membranes in the Pervaporation Process. <i>Separation and Purification Reviews</i> , 2014, 43, 62-88.	5.5	24
30	Feasibility study of various sulphonation methods for transforming carbon nanotubes into catalysts for the esterification of palm fatty acid distillate. <i>Energy Conversion and Management</i> , 2014, 88, 1283-1289.	9.2	51
31	Cytocompatibility, bioactivity and mechanical strength of calcium phosphate cement reinforced with multi-walled carbon nanotubes and bovine serum albumin. <i>Ceramics International</i> , 2013, 39, 4975-4983.	4.8	19
32	Effects of Growth Parameters on the Morphology of Aligned Carbon Nanotubes Synthesized by Floating Catalyst and the Growth Model. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2013, 21, 765-777.	2.1	9
33	Comparison of the pervaporation performance of various types of carbon nanotube-based nanocomposites in the dehydration of acetone. <i>Separation and Purification Technology</i> , 2013, 107, 252-263.	7.9	43
34	Evolution towards the utilisation of functionalised carbon nanotubes as a new generation catalyst support in biodiesel production: an overview. <i>RSC Advances</i> , 2013, 3, 9070.	3.6	59
35	A review on the evolution of ethyl <i>tert</i> -butyl ether (ETBE) and its future prospects. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 22, 604-620.	16.4	78
36	Energy and environmental applications of carbon nanotubes. <i>Environmental Chemistry Letters</i> , 2012, 10, 265-273.	16.2	125

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37	Membrane technology as a promising alternative in biodiesel production: A review. <i>Biotechnology Advances</i> , 2012, 30, 1364-1380.	11.7	129
38	Carbon Nanotubes Applications: Solar and Fuel Cells, Hydrogen Storage, Lithium Batteries, Supercapacitors, Nanocomposites, Gas, Pathogens, Dyes, Heavy Metals and Pesticides. <i>Environmental Chemistry for A Sustainable World</i> , 2012, , 3-46.	0.5	13
39	Effects of Temperature on the Synthesis of Carbon Nanotubes by FeCl ₃ as a Floating Catalyst Precursor. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2011, 19, 575-583.	2.1	6
40	Effect of Cutting and Functionalization of Single-Walled Carbon Nanotubes on Their Dispersion Behaviors. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 3350-3357.	0.9	3
41	The effect of interfacial bonding of calcium phosphate cements containing bio-mineralized multi-walled carbon nanotube and bovine serum albumin on the mechanical properties of calcium phosphate cements. <i>Ceramics International</i> , 2011, 37, 2429-2435.	4.8	18
42	Optimization of the mechanical properties of calcium phosphate/multi-walled carbon nanotubes/bovine serum albumin composites using response surface methodology. <i>Materials & Design</i> , 2011, 32, 3312-3319.	5.1	28
43	Poly(3-hydroxybutyrate)-functionalised multi-walled carbon nanotubes/chitosan green nanocomposite membranes and their application in pervaporation. <i>Separation and Purification Technology</i> , 2011, 76, 419-427.	7.9	78
44	OPTIMIZATION OF THE MECHANICAL STRENGTH PROPERTIES OF POLY(L-LACTIDE)/MULTI-WALLED CARBON NANOTUBE SCAFFOLDS USING RESPONSE SURFACE METHODOLOGY. <i>Nano</i> , 2011, 06, 113-122.	1.0	10
45	Synthesis, Characterization and Biodegradation of Novel Poly(L-lactide)/Multiwalled Carbon Nanotube Porous Scaffolds for Tissue Engineering Applications. <i>Current Nanoscience</i> , 2011, 7, 323-332.	1.2	19
46	Calcium phosphate-based composites as injectable bone substitute materials. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010, 94B, 273-286.	3.4	91
47	Effect of Poly(2-ethyl-2-oxazoline) on Multi-Walled Carbon Nanotubes Reinforced Poly(vinyl alcohol) Composites. <i>Polymers and Polymer Composites</i> , 2010, 18, 251-256.	1.9	3
48	A review on carbon nanotubes in an environmental protection and green engineering perspective. <i>Brazilian Journal of Chemical Engineering</i> , 2010, 27, 227-242.	1.3	146
49	IRON (III) CHLORIDE AS FLOATING CATALYST PRECURSOR TO PRODUCE MULTI-WALLED CARBON NANOTUBES FROM METHANE. <i>Nano</i> , 2010, 05, 167-173.	1.0	4
50	FUNCTIONALIZED MWCNTS REINFORCED POLYETHEYLENE FIBER COMPOSITE: MECHANICAL STRENGTH CHARACTERIZATION. <i>International Journal of Modern Physics B</i> , 2009, 23, 1419-1424.	2.0	0
51	FLOATING CATALYST CVD SYNTHESIS OF CARBON NANOTUBES USING IRON (III) CHLORIDE: INFLUENCES OF THE GROWTH PARAMETERS. <i>Nano</i> , 2009, 04, 359-366.	1.0	8
52	Purification of single-walled carbon nanotubes using a fixed bed reactor packed with zirconia beads. <i>Carbon</i> , 2008, 46, 245-254.	10.3	16
53	Frictional force detection from lateral force microscopic image using a Si grating. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 313-314, 567-570.	4.7	7
54	Functionalization of Multi-Walled Carbon Nanotubes with Poly(2-ethyl-2-oxazoline). <i>Macromolecular Symposia</i> , 2007, 249-250, 270-275.	0.7	14

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55	Study on the Functionalization of Multi-Walled Carbon Nanotube with Monoamine Terminated Poly(ethylene oxide). <i>Macromolecular Symposia</i> , 2007, 249-250, 276-282.	0.7	9
56	Fabrication and Properties of Multi-Walled Carbon Nanotubes Buckypaper. <i>Advanced Materials Research</i> , 0, 1108, 33-38.	0.3	4