Chanatip Samart

List of Publications by Year
in descending order

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99 papers	3,006 citations	156536 32 h-index	206121 51 g-index
99 all docs	99 docs citations	99 times ranked	3842 citing authors

#	Article	IF	Citations
1	High Catalytic Activity of a Nickel Phosphide Nanocatalyst Supported on Melamine-Doped Activated Carbon for Deoxygenation. Topics in Catalysis, 2023, 66, 22-33.	1.3	1
2	MXene-copper oxide/sulfonated polyether ether ketone as a hybrid composite proton exchange membrane in electrochemical water electrolysis. Catalysis Today, 2023, 407, 96-106.	2.2	11
3	Fabrication of fluoroalkylsilane/zeolitic imidazolate framework composites for highly efficient superhydrophobic coating. Carbon Resources Conversion, 2022, 5, 26-34.	3.2	2
4	One-Pot Ethanol Production from Cellulose Transformation over Multifunctional Pt/WO_x and Hollow Pt@HZSM-5 Catalysts. ACS Sustainable Chemistry and Engineering, 2022, 10, 2802-2810.	3.2	13
5	Multi-Hierarchical Porous Mn-Doped CoP Catalyst on Nickel Phosphide Foam for Hydrogen Evolution Reaction. ACS Applied Energy Materials, 2022, 5, 149-158.	2.5	14
6	High energy storage efficiency of NBT-SBT lead-free ferroelectric ceramics. Ceramics International, 2022, 48, 23266-23272.	2.3	10
7	Realizing enhanced energy density in ternary polymer blends by intermolecular structure design. Chemical Engineering Journal, 2022, 446, 136980.	6.6	8
8	Spark plasma sintered PBLZST ceramics modified by BN nanosheets with significant energy storage density. Ceramics International, 2022, 48, 30884-30890.	2.3	3
9	Data-driven prediction of biomass pyrolysis pathways toward phenolic and aromatic products. Journal of Environmental Chemical Engineering, 2021, 9, 104836.	3.3	10
10	Production of bio-jet fuel through ethylene oligomerization using NiAlKIT-6 as a highly efficient catalyst. Fuel, 2021, 287, 119831.	3.4	16
11	Enhanced adsorptive composite foams for copper (II) removal utilising bio-renewable polyisoprene-functionalised carbon derived from coconut shell waste. Scientific Reports, 2021, 11, 1459.	1.6	7
12	Simultaneous assistance of molecular oxygen and mesoporous SO₃Hâ€“alumina for a selective conversion of biomass-derived furfural to Î³-valerolactone without an external addition of H₂. Sustainable Energy and Fuels, 2021, 5, 4041-4052.	2.5	6
13	Facile and Efficient Synthesis of Primary Amines via Reductive Amination over a Ni/Al₂O₃ Catalyst. ACS Sustainable Chemistry and Engineering, 2021, 9, 7318-7327.	3.2	43
14	In-situ catalytic upgrading of bio-oil derived from fast pyrolysis of sunflower stalk to aromatic hydrocarbons over bifunctional Cu-loaded HZSM-5. Journal of Analytical and Applied Pyrolysis, 2021, 155, 105079.	2.6	39
15	Steam co-gasification of Japanese cedarwood and its commercial biochar for hydrogen-rich gas production. International Journal of Hydrogen Energy, 2021, 46, 34587-34598.	3.8	20
16	MXene potassium titanate nanowire/sulfonated polyether ether ketone (SPEEK) hybrid composite proton exchange membrane for photocatalytic water splitting. RSC Advances, 2021, 11, 9327-9335.	1.7	7
17	Rapid Transformation of Furfural to Biofuel Additive Ethyl Levulinate with In Situ Suppression of Humins Promoted by an Acidic-Oxygen Environment. ACS Sustainable Chemistry and Engineering, 2021, 9, 14170-14179.	3.2	11
18	One-pot upgrading of coconut coir lignin over high-efficiency Ni2P catalysts. Journal of Environmental Chemical Engineering, 2021, 9, 106702.	3.3	4

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19	High selective monoaromatic hydrocarbon production via integrated pyrolysis and catalytic upgrading of Napier grass over Ca/Ni/boronic acid/KIT-6. Biomass Conversion and Biorefinery, 2020, 10, 423-434.	2.9	4
20	Polymer Matrix Nanocomposites with 1D Ceramic Nanofillers for Energy Storage Capacitor Applications. ACS Applied Materials & Interfaces, 2020, 12, 1-37.	4.0	163
21	Selective production of green solvent (isoamyl acetate) from fusel oil using a sulfonic acid-functionalized KIT-6 catalyst. Molecular Catalysis, 2020, 484, 110724.	1.0	9
22	Catalytic pyrolysis of Napier grass with nickel-copper core-shell bi-functional catalyst. Journal of Analytical and Applied Pyrolysis, 2020, 145, 104745.	2.6	14
23	Ru/HZSM-5 as an efficient and recyclable catalyst for reductive amination of furfural to furfurylamine. Molecular Catalysis, 2020, 482, 110755.	1.0	38
24	Fabrication of CuO_x nanowires@NiMnO_x nanosheets core@shell-type electrocatalysts: crucial roles of defect modification and valence states for overall water electrolysis. Journal of Materials Chemistry A, 2020, 8, 16463-16476.	5.2	40
25	Norbornene-Functionalized Plant Oils for Biobased Thermoset Films and Binders of Silicon-Graphite Composite Electrodes. ACS Omega, 2020, 5, 29678-29687.	1.6	3
26	Ultrahigh energy density and thermal stability in sandwich-structured nanocomposites with dopamine@Ag@BaTiO3. Energy Storage Materials, 2020, 31, 492-504.	9.5	80
27	Facile In Situ 5-EMF Synthesis and Extraction Processes from Catalytic Conversion of Sugar under Sustainable Long-Life Cycle. ACS Sustainable Chemistry and Engineering, 2020, 8, 14867-14876.	3.2	16
28	Carbon sequestration through hydrothermal carbonization of expired fresh milk and its application in supercapacitor. Biomass and Bioenergy, 2020, 143, 105836.	2.9	30
29	Study of a recycling reaction system for catalytic transformation of biomass-based carbohydrates via acidic-polar biphasic conditions. Reaction Chemistry and Engineering, 2020, 5, 1405-1409.	1.9	2
30	Waste biomass valorization through production of xylose-based porous carbon microspheres for supercapacitor applications. Waste Management, 2020, 105, 492-500.	3.7	41
31	Relaxor/antiferroelectric composites: a solution to achieve high energy storage performance in lead-free dielectric ceramics. Journal of Materials Chemistry C, 2020, 8, 5681-5691.	2.7	75
32	Significant Energy Density of Discharge and Chargeâ€“Discharge Efficiency in Ag@BNN Nanofillers-Modified Heterogeneous Sandwich Structure Nanocomposites. ACS Applied Energy Materials, 2020, 3, 6591-6601.	2.5	29
33	Large electrostrain in lowâ€temperature sintered NBTâ€BTâ€0.025FN incipient piezoceramics. Journal of the American Ceramic Society, 2020, 103, 3739-3747.	1.9	36
34	Ni nanocatalysts supported on mesoporous Al₂O₃â€“CeO₂ for CO₂ methanation at low temperature. RSC Advances, 2020, 10, 2067-2072.	1.7	16
35	Direct conversion of sugar into ethyl levulinate catalyzed by selective heterogeneous acid under co-solvent system. Catalysis Communications, 2020, 143, 106058.	1.6	11
36	Enhanced energy storage performance of nanocomposites filled with paraelectric ceramic nanoparticles by weakening the electric field distortion. Ceramics International, 2020, 46, 21149-21155.	2.3	21

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37	Glycerol valorization through production of di-glyceryl butyl ether with sulfonic acid functionalized KIT-6 catalyst. Carbon Resources Conversion, 2020, 3, 182-189.	3.2	10
38	Heterogeneous Catalysis in Hydroxymethylfurfural Conversion to Fuels and Chemicals. , 2020, , 355-370.		0
39	Catalytic Upgrading of Bio-Oils into Aromatic Hydrocarbon over Highly Active Solid Catalysts. Biofuels and Biorefineries, 2020, , 141-162.	0.5	0
40	Sandwich structure-assisted significantly improved discharge energy density in linear polymer nanocomposites with high thermal stability. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 581, 123802.	2.3	38
41	Terephthalic acid induced binder-free NiCoPâ€“carbon nanocomposite for highly efficient electrocatalysis of hydrogen evolution reaction. Catalysis Science and Technology, 2019, 9, 4651-4658.	2.1	20
42	A facile way for sugar transformation catalyzed by carbon-based Lewis-BrÃ¸nsted solid acid. Molecular Catalysis, 2019, 479, 110632.	1.0	11
43	Fine-grained BNT-based lead-free composite ceramics with high energy-storage density. Ceramics International, 2019, 45, 19895-19901.	2.3	68
44	Enhancement performance of carbon electrode for supercapacitors by quinone derivatives loading via solvent-free method. Applied Surface Science, 2019, 491, 784-791.	3.1	26
45	Synthesis of new polyesters by acyclic diene metathesis polymerization of bio-based Î±,Ï‰-dienes prepared from eugenol and castor oil (undecenoate). RSC Advances, 2019, 9, 10245-10252.	1.7	32
46	Largely enhanced discharge energy density in linear polymer nanocomposites by designing a sandwich structure. Composites Part A: Applied Science and Manufacturing, 2019, 121, 115-122.	3.8	73
47	Integrated catalytic hydrodeoxygenation of Napier grass pyrolysis vapor using a Ni2P/C catalyst. Journal of Analytical and Applied Pyrolysis, 2019, 140, 170-178.	2.6	14
48	Bio-syngas converting to liquid fuels over co modified Fe3O4-MnO2 catalysts. Chinese Journal of Chemical Physics, 2019, 32, 721-726.	0.6	1
49	Constructing layered structures to enhance the breakdown strength and energy density of Na_{0.5}Bi_{0.5}TiO₃-based lead-free dielectric ceramics. Journal of Materials Chemistry C, 2019, 7, 15292-15300.	2.7	51
50	Formation and activity of activated carbon supported Ni2P catalysts for atmospheric deoxygenation of waste cooking oil. Fuel Processing Technology, 2019, 185, 117-125.	3.7	41
51	Fabrication of NiO Microflake@NiFe-LDH Nanosheet Heterostructure Electrocatalysts for Oxygen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2019, 7, 2327-2334.	3.2	74
52	Biodiesel production in an autoclave reactor using waste palm oil and coconut coir husk derived catalyst. Renewable Energy, 2019, 134, 125-134.	4.3	86
53	Stability evaluation of ethanol dry reforming on Lanthaniaâ€doped cobaltâ€based catalysts for hydrogenâ€rich syngas generation. International Journal of Energy Research, 2019, 43, 405-416.	2.2	39
54	Highly productive xylose dehydration using a sulfonic acid functionalized KIT-6 catalyst. Fuel, 2019, 236, 1156-1163.	3.4	27

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55	Statistical optimization of biodiesel production from para rubber seed oil by SO3H-MCM-41 catalyst. Arabian Journal of Chemistry, 2019, 12, 2028-2036.	2.3	24
56	Fabrication and evaluation of nanocellulose sponge for oil/water separation. Carbohydrate Polymers, 2018, 190, 184-189.	5.1	134
57	Heavy metal sequestration with a boronic acid-functionalized carbon-based adsorbent. Journal of Environmental Chemical Engineering, 2018, 6, 1147-1154.	3.3	19
58	Enhanced electrochemical performances with a copper/xylose-based carbon composite electrode. Applied Surface Science, 2018, 436, 639-645.	3.1	11
59	Production of furan based biofuel with an environmental benign carbon catalyst. Environmental Progress and Sustainable Energy, 2018, 37, 1455-1461.	1.3	6
60	Ethylene glycol dry reforming for syngas generation on Ce-promoted Co/Al2O3 catalysts. Applied Petrochemical Research, 2018, 8, 253-261.	1.3	5
61	Efficient Conversion of Renewable Unsaturated Fatty Acid Methyl Esters by Cross-Metathesis with Eugenol. ACS Omega, 2018, 3, 11041-11049.	1.6	13
62	Ultrasound-assisted acetylation of glycerol for triacetin production over green catalyst: A liquid biofuel candidate. Energy Conversion and Management, 2018, 173, 262-270.	4.4	32
63	Investigation of Ni/SiO2 Fiber Catalysts Prepared by Different Methods on Hydrogen production from Ethanol Steam Reforming. Catalysts, 2018, 8, 319.	1.6	17
64	Superhydrophobic coating from fluoroalkylsilane modified natural rubber encapsulated SiO2 composites for self-driven oil/water separation. Applied Surface Science, 2018, 462, 164-174.	3.1	41
65	Self-healing hybrid nanocomposite anticorrosive coating from epoxy/modified nanosilica/perfluorooctyl triethoxysilane. Progress in Organic Coatings, 2017, 104, 173-179.	1.9	86
66	Oneâ€step latex compounding method for producing composites of natural rubber/epoxidized natural rubber/aminosilaneâ€functionalized montmorillonite: enhancement of tensile strength and oil resistance. Polymer International, 2017, 66, 1064-1073.	1.6	4
67	High selectivity and stability of Mg-doped Al-MCM-41 for in-situ catalytic upgrading fast pyrolysis bio-oil. Energy Conversion and Management, 2017, 142, 272-285.	4.4	62
68	Direct synthesis of iso-paraffin fuel from palm oil on mixed heterogeneous acid and base catalysts. Monatshefte FÃ¼r Chemie, 2017, 148, 1235-1243.	0.9	4
69	Co-production of hydrogen and carbon nanotube-silica fiber composites from ethanol steam reforming over an Ni-silica fiber catalyst. Monatshefte FÃ¼r Chemie, 2017, 148, 1311-1321.	0.9	9
70	Fabrication of a Copper/Carbon Composite Based on Biomass for Electrochemical Application. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2017, 96, 273-278.	0.2	1
71	One-Pot Fabrication of Hydrophobic Nanocellulose-Silica Film for Water Resistant Packaging Application. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2017, 96, 261-265.	0.2	3
72	Inorganicâ€organic hybrid material based on amineâ€functionalized zeolite Y: A study of catalytic activity in transesterification. Canadian Journal of Chemical Engineering, 2016, 94, 530-536.	0.9	4

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73	Green biodiesel production from waste cooking oil using an environmentally benign acid catalyst. Waste Management, 2016, 52, 367-374.	3.7	110
74	Selective production of aromatic hydrocarbons from catalytic pyrolysis of biomass over Cu or Fe loaded mesoporous rod-like alumina. RSC Advances, 2016, 6, 50618-50629.	1.7	47
75	Preparing hydrophobic nanocellulose-silica film by a facile one-pot method. Carbohydrate Polymers, 2016, 153, 266-274.	5.1	41
76	Bio-Oil Production from Liquid-Phase Pyrolysis of Giant Leucaena Wood. Chemistry and Technology of Fuels and Oils, 2016, 52, 360-368.	0.2	6
77	Selectively catalytic upgrading of bio-oil to aromatic hydrocarbons over Zn, Ce or Ni-doped mesoporous rod-like alumina catalysts. Journal of Molecular Catalysis A, 2016, 421, 235-244.	4.8	59
78	Catalytic Upgrading of Bio-Oil over Cu/MCM-41 and Cu/KIT-6 Prepared by Î²-Cyclodextrin-Assisted Coimpregnation Method. Journal of Physical Chemistry C, 2016, 120, 3396-3407.	1.5	47
79	Highly efficient sulfonic MCM-41 catalyst for furfural production: Furan-based biofuel agent. Fuel, 2016, 174, 189-196.	3.4	70
80	Biodiesel production from Hevea brasiliensis oil using SO 3 H-MCM-41 catalyst. Journal of Environmental Chemical Engineering, 2016, 4, 47-55.	3.3	33
81	Polyisoprene modified poly(alkyl acrylate) foam as oil sorbent material. Journal of Applied Polymer Science, 2015, 132, .	1.3	17
82	Reusable Modified Natural Rubber Foam for Petroleumâ€Based Liquid Removal. Macromolecular Symposia, 2015, 354, 177-183.	0.4	5
83	Cellulose Graft Poly(acrylic acid) and Polyacrylamide: Grafting Efficiency and Heavy Metal Adsorption Performance. Macromolecular Symposia, 2015, 354, 84-90.	0.4	13
84	Equilibrium and Kinetic Studies of Cu(II), Ni(II) and Cd(II) Adsorption from Aqueous Solution by Chemically Modified Corn Cob. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2015, 94, 781-786.	0.2	1
85	Investigation of Kinetic Parameters for Methanolysis of Para Rubber Seed Oil by CH₃/SO₃H-MCM41 Catalyst. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2015, 94, 830-834.	0.2	0
86	Biodiesel production from waste cooking oil using calcined scallop shell as catalyst. Energy Conversion and Management, 2015, 95, 242-247.	4.4	174
87	Tinospora crispa-like ZSM-5/silica fibers synthesized by electrospinning and hydrothermal method. Materials Letters, 2015, 159, 135-137.	1.3	3
88	Catalytic steam reforming of tar derived from steam gasification of sunflower stalk over ethylene glycol assisting prepared Ni/MCM-41. Energy Conversion and Management, 2015, 98, 359-368.	4.4	75
89	A green method to increase yield and quality of bio-oil: ultrasonic pretreatment of biomass and catalytic upgrading of bio-oil over metal (Cu, Fe and/or Zn)/Î³-Al₂O₃. RSC Advances, 2015, 5, 83494-83503.	1.7	40
90	Effect of preparation methods on activation of cobalt catalyst supported on silica fiber for Fischerâ€“Tropsch synthesis. Chemical Engineering Journal, 2015, 278, 166-173.	6.6	33

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91	Steam reforming of tar derived from Fallopia Japonica stem over its own chars prepared at different conditions. Fuel, 2014, 132, 204-210.	3.4	38
92	Fabrication of nickel hexacyanoferrate film on carbon fibers by unipolar pulse electrodeposition method for electrochemically switched ion exchange application. Electrochimica Acta, 2014, 139, 36-41.	2.6	16
93	Enhanced solar water-splitting performance of TiO2 nanotube arrays by annealing and quenching. Applied Surface Science, 2014, 313, 633-639.	3.1	16
94	Preparation of poly acrylic acid grafted-mesoporous silica as pH responsive releasing material. Journal of Industrial and Engineering Chemistry, 2014, 20, 2153-2158.	2.9	15
95	Development of pH-responsive polymer-grafted mesoporous silica. Transactions of the Materials Research Society of Japan, 2013, 38, 597-601.	0.2	1
96	Biodiesel production by methanolysis of soybean oil using calcium supported on mesoporous silica catalyst. Energy Conversion and Management, 2010, 51, 1428-1431.	4.4	96
97	Heterogeneous catalysis of transesterification of soybean oil using KI/mesoporous silica. Fuel Processing Technology, 2009, 90, 922-925.	3.7	92
98	Tertiary recycling of PVC-containing plastic waste by copyrolysis with cattle manure. Waste Management, 2008, 28, 2415-2421.	3.7	19
99	Carbon Sequestration Through Hydrothermal Carbonization of Expired Fresh Milk and its Application in Supercapacitor. SSRN Electronic Journal, 0, , .	0.4	0