

Sujitra Wongkasemjit

List of Publications by Year in descending order

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100
papers

2,458
citations

172457

29
h-index

265206

42
g-index

102
all docs

102
docs citations

102
times ranked

2922
citing authors

#	ARTICLE	IF	CITATIONS
1	Porous structure of polybenzoxazine-based organic aerogel prepared by sol-gel process and their carbon aerogels. <i>Journal of Sol-Gel Science and Technology</i> , 2009, 52, 56-64.	2.4	106
2	MgAl ₂ O ₄ spinel powders from oxide one pot synthesis (OOPS) process for ceramic humidity sensors. <i>Journal of the European Ceramic Society</i> , 2000, 20, 91-97.	5.7	87
3	One-pot synthesis and characterization of novel sodium tris(glycozirconate) and cerium glycolate precursors and their pyrolysis. <i>Materials Chemistry and Physics</i> , 2004, 83, 34-42.	4.0	66
4	Light olefins and light oil production from catalytic pyrolysis of waste tire. <i>Journal of Analytical and Applied Pyrolysis</i> , 2009, 86, 281-286.	5.5	60
5	Hard-coating materials for poly(methyl methacrylate) from glycidoxypropyltrimethoxysilane-modified silatrane via a sol-gel process. <i>Surface and Coatings Technology</i> , 2006, 200, 2784-2790.	4.8	59
6	Preparation of polybenzoxazine foam and its transformation to carbon foam. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 527, 77-84.	5.6	56
7	Tuning pore characteristics of porous carbon monoliths prepared from rubber wood waste treated with H ₃ PO ₄ or NaOH and their potential as supercapacitor electrode materials. <i>Journal of Materials Science</i> , 2017, 52, 6837-6855.	3.7	56
8	ANA and GIS zeolite synthesis directly from alumatrane and silatrane by sol-gel process and microwave technique. <i>Journal of the European Ceramic Society</i> , 2002, 22, 2305-2314.	5.7	55
9	Comparative potentiality of Kans grass (<i>Saccharum spontaneum</i>) and Giant reed (<i>Arundo donax</i>) as lignocellulosic feedstocks for the release of monomeric sugars by microwave/chemical pretreatment. <i>Cellulose</i> , 2014, 21, 1327-1340.	4.9	55
10	Removal of heavy metals from model wastewater by using polybenzoxazine aerogel. <i>Desalination</i> , 2010, 256, 108-114.	8.2	54
11	Preparation of Cu-BTC/PVA Fibers with Antibacterial Applications. <i>Fibers and Polymers</i> , 2018, 19, 1373-1378.	2.1	52
12	Novel polybenzoxazine-based carbon aerogel electrode for supercapacitors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 167, 36-42.	3.5	49
13	Na-A (LTA) zeolite synthesis directly from alumatrane and silatrane by sol-gel microwave techniques. <i>Journal of the European Ceramic Society</i> , 2003, 23, 1293-1303.	5.7	48
14	Complex carbon nanotube-inorganic hybrid materials as next-generation photocatalysts. <i>Chemical Physics Letters</i> , 2010, 496, 133-138.	2.6	48
15	Enhancement of enzymatic hydrolysis of corncob by microwave-assisted alkali pretreatment and its effect in morphology. <i>Cellulose</i> , 2013, 20, 1957-1966.	4.9	48
16	Sol-gel derived porous ceria powders using cerium glycolate complex as precursor. <i>Materials Chemistry and Physics</i> , 2006, 99, 318-324.	4.0	43
17	Achievement of hydrogen production from autothermal steam reforming of methanol over Cu-loaded mesoporous CeO ₂ and Cu-loaded mesoporous CeO ₂ -ZrO ₂ catalysts. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 15073-15084.	7.1	43
18	Effect of synthesis parameters on mesoporous SAPO-5 with AFI-type formation via microwave radiation using alumatrane and silatrane precursors. <i>Microporous and Mesoporous Materials</i> , 2010, 135, 116-123.	4.4	41

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19	Significant enhancement of thermal stability in the non-oxidative thermal degradation of bisphenol-A/aniline based polybenzoxazine aerogel. <i>Polymer Degradation and Stability</i> , 2011, 96, 708-718.	5.8	40
20	Effects of pyrolysis temperature and Pt-loaded catalysts on polar-aromatic content in tire-derived oil. <i>Applied Catalysis B: Environmental</i> , 2009, 91, 300-307.	20.2	39
21	Development of polybenzoxazine membranes for ethanol-water separation via pervaporation. <i>Desalination</i> , 2011, 267, 73-81.	8.2	36
22	Sol-gel processing of silatranes. <i>European Polymer Journal</i> , 2001, 37, 1441-1448.	5.4	35
23	Improving Light Olefins and Light Oil Production Using Ru/MCM-48 in Catalytic Pyrolysis of Waste Tire. <i>Energy Procedia</i> , 2011, 9, 245-251.	1.8	33
24	MFI zeolite synthesis directly from silatrane via sol-gel process and microwave technique. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 361, 147-154.	5.6	32
25	Sol-gel transition study and pyrolysis of alumina-based gels prepared from alumatrane precursor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 233, 145-153.	4.7	32
26	Au/ZnO and Au/ZnO ₂ Fe ₂ O ₃ Prepared by Deposition-Precipitation and Their Activity in the Preferential Oxidation of CO. <i>Energy & Fuels</i> , 2009, 23, 5084-5091.	5.1	32
27	Preferential catalytic oxidation of carbon monoxide in presence of hydrogen over bimetallic AuPt supported on zeolite catalysts. <i>Journal of Power Sources</i> , 2007, 165, 353-358.	7.8	31
28	Preferential CO oxidation over Au/ZnO and Au/ZnO-Fe ₂ O ₃ catalysts prepared by photodeposition. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 9838-9846.	7.1	31
29	Potential of Ni supported on KH zeolite catalysts for carbon dioxide reforming of methane. <i>Journal of Power Sources</i> , 2007, 165, 347-352.	7.8	30
30	Styrene oxidation with H ₂ O ₂ over Fe- and Ti-SBA-1 mesoporous silica. <i>Catalysis Communications</i> , 2009, 10, 1070-1073.	3.3	29
31	Efficient process for ethanol production from Thai Mission grass (<i>Pennisetum polystachion</i>). <i>Bioresource Technology</i> , 2014, 163, 152-159.	9.6	29
32	Effect of synthesis time on morphology of CeO ₂ nanoparticles and Au/CeO ₂ and their activity in oxidative steam reforming of methanol. <i>Journal of Rare Earths</i> , 2019, 37, 819-828.	4.8	29
33	Novel template confinement derived from polybenzoxazine-based carbon xerogels for synthesis of ZSM-5 nanoparticles via microwave irradiation. <i>Microporous and Mesoporous Materials</i> , 2012, 156, 7-15.	4.4	28
34	Highly sensitive room temperature organic vapor sensor based on polybenzoxazine-derived carbon aerogel thin film composite. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015, 200, 67-77.	3.5	28
35	High performance and stability of copper loading on mesoporous ceria catalyst for preferential oxidation of CO in presence of excess of hydrogen. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 5537-5548.	7.1	28
36	Oxidative upgrade of furfural to succinic acid using SO ₃ H-carbocatalysts with nitrogen functionalities based on polybenzoxazine. <i>Journal of Colloid and Interface Science</i> , 2020, 565, 96-109.	9.4	28

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37	Synthesis of spirosilicates directly from silica and ethylene glycol/ethylene glycol derivatives. <i>Tetrahedron</i> , 2001, 57, 3997-4003.	1.9	25
38	Fabrication of scandium stabilized zirconia thin film by electrostatic spray deposition technique for solid oxide fuel cell electrolyte. <i>Thin Solid Films</i> , 2010, 518, 6518-6521.	1.8	25
39	Performance of sodium A zeolite membranes synthesized via microwave and autoclave techniques for water-ethanol separation: Recycle-continuous pervaporation process. <i>Desalination</i> , 2011, 269, 78-83.	8.2	25
40	Morphology study of MFI zeolite synthesized directly from silatrane and alumatrane via the sol-gel process and microwave heating. <i>Microporous and Mesoporous Materials</i> , 2003, 64, 83-93.	4.4	24
41	Self-formation of 3D interconnected macroporous carbon xerogels derived from polybenzoxazine by selective solvent during the sol-gel process. <i>Journal of Materials Science</i> , 2014, 49, 4946-4961.	3.7	24
42	Ultra-high-surface-area activated biocarbon based on biomass residue as a supercapacitor electrode material: Tuning pore structure using alkalis with different atom sizes. <i>Microporous and Mesoporous Materials</i> , 2021, 326, 111383.	4.4	24
43	Correlation of sol-gel processing parameters with microstructure and properties of a ceramic product. <i>Materials Characterization</i> , 2003, 50, 325-337.	4.4	23
44	Microwave preparation of Li-zeolite directly from alumatrane and silatrane. <i>Materials Chemistry and Physics</i> , 2004, 83, 89-95.	4.0	23
45	Preparation of Ultra-Fine Silica Fibers Using Electrospun Poly(Vinyl Alcohol)/Silatrane Composite Fibers as Precursor. <i>Journal of the American Ceramic Society</i> , 2008, 91, 2830-2835.	3.8	23
46	Enhanced butanol production by immobilized <i>Clostridium beijerinckii</i> TISTR 1461 using zeolite 13X as a carrier. <i>Bioresource Technology</i> , 2014, 172, 76-82.	9.6	23
47	Formation and structure of tris(alumatranxyloxy-i-propyl)amine directly from Al(OH) ₃ and triisopropanolamine. <i>European Polymer Journal</i> , 2001, 37, 1877-1885.	5.4	22
48	Roles of ruthenium on catalytic pyrolysis of waste tire and the changes of its activity upon the rate of calcination. <i>Journal of Analytical and Applied Pyrolysis</i> , 2010, 87, 256-262.	5.5	22
49	Title is missing!. <i>ScienceAsia</i> , 1999, 25, 113.	0.5	22
50	Optimization of Lignin Extraction from Pine Wood for Fast Pyrolysis by Using a γ -Valerolactone-Based Binary Solvent System. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4058-4068.	6.7	21
51	Advanced and economical ambient drying method for controlled mesopore polybenzoxazine-based carbon xerogels: Effects of non-ionic and cationic surfactant on porous structure. <i>Journal of Colloid and Interface Science</i> , 2015, 459, 241-249.	9.4	20
52	Enhanced CO ₂ capturing over ultra-microporous carbon with nitrogen-active species prepared using one-step carbonization of polybenzoxazine for a sustainable environment. <i>Journal of Environmental Management</i> , 2018, 223, 779-786.	7.8	20
53	Structural aspects of mesoporous AlPO ₄₋₅ (AFI) zeotype using microwave radiation and alumatrane precursor. <i>Microporous and Mesoporous Materials</i> , 2008, 114, 175-184.	4.4	19
54	Synthesis of MCM-48 from silatrane via sol-gel process. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 58, 427-435.	2.4	19

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55	Impressive low reduction temperature of synthesized mesoporous ceria via nanocasting. <i>Materials Letters</i> , 2014, 130, 218-222.	2.6	19
56	Influences of M-Sn intermetallics (M = Ni, Cu) prepared by mechanical alloying on phenol hydroxylation. <i>Catalysis Science and Technology</i> , 2017, 7, 5413-5421.	4.1	19
57	Potential Thai grasses for bioethanol production. <i>Cellulose</i> , 2015, 22, 9-29.	4.9	18
58	Investigation of nozzle shape effect on Sm _{0.1} Ce _{0.9} O _{1.95} thin film prepared by electrostatic spray deposition. <i>Thin Solid Films</i> , 2008, 516, 5618-5624.	1.8	17
59	Enhancement of ABE fermentation through regulation of ammonium acetate and D-xylose uptake from acid-pretreated corncobs. <i>Annals of Microbiology</i> , 2014, 64, 431-439.	2.6	17
60	Hierarchical architecture of Bi ₂ TiO ₂ O via ethylene glycol-mediated synthesis route. <i>Materials Letters</i> , 2011, 65, 3237-3240.	2.6	16
61	Improvement in the pore structure of polybenzoxazine-based carbon xerogels through a silica templating method. <i>Journal of Porous Materials</i> , 2014, 21, 401-411.	2.6	16
62	Influence of silica sources on structural property and activity of Pd-supported on mesoporous MCM-41 synthesized with an aid of microwave heating for partial hydrogenation of soybean methyl esters. <i>Applied Catalysis A: General</i> , 2018, 563, 80-90.	4.3	16
63	Capability of Thai Mission grass (<i>Pennisetum polystachyon</i>) as a new weedy lignocellulosic feedstock for production of monomeric sugar. <i>Bioresource Technology</i> , 2013, 143, 423-430.	9.6	15
64	Fast and practical synthesis of carboxymethyl cellulose from office paper waste by ultrasonic-assisted technique at ambient temperature. <i>Polymer Degradation and Stability</i> , 2021, 184, 109473.	5.8	15
65	Microwave-assisted preparation of zeolite H from alumatrane and silatrane. <i>Microporous and Mesoporous Materials</i> , 2004, 69, 157-164.	4.4	14
66	Preparation of zirconia powders by sol-gel route of sodium glycozirconate complex. <i>Powder Technology</i> , 2004, 148, 11-14.	4.2	14
67	Room temperature synthesis of Ti-SBA-15 from silatrane and titanium-glycolate and its catalytic performance towards styrene epoxidation. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 57, 221-228.	2.4	14
68	Effect of Phosphoric Acid Pretreatment of Corncobs on the Fermentability of <i>Clostridium beijerinckii</i> TISTR 1461 for Biobutanol Production. <i>Preparative Biochemistry and Biotechnology</i> , 2015, 45, 173-191.	1.9	14
69	VS-1 zeolite synthesized directly from silatrane. <i>Microporous and Mesoporous Materials</i> , 2005, 77, 203-213.	4.4	13
70	Preparation of highly ordered Fe-SBA-1 and Ti-SBA-1 cubic mesoporous silica via sol-gel processing of silatrane. <i>Materials Letters</i> , 2008, 62, 4545-4548.	2.6	13
71	Investigation of Double-Stage Preferential CO Oxidation Reactor over Bimetallic Au-Pt Supported on A-Zeolite Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 8160-8165.	3.7	13
72	Synthesis and characterization of M-MCM-48 (M=Cr, Ce) from silatrane via sol-gel process. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 61, 133-143.	2.4	13

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73	Synthesis and characterization of Fe-Ce-MCM-48 from silatrane precursor via sol-gel process. <i>Materials Letters</i> , 2013, 94, 65-68.	2.6	13
74	Electrical properties of a novel lead alkoxide precursor: Lead glycolate. <i>Materials Chemistry and Physics</i> , 2006, 98, 138-143.	4.0	12
75	Optimization of synthesis time for high performance of NaA zeolite membranes synthesized via autoclave for water-ethanol separation. <i>Desalination</i> , 2011, 280, 259-265.	8.2	12
76	Facile preparation of polybenzoxazine-based carbon microspheres with nitrogen functionalities: Effects of mixed solvents on pore structure and supercapacitive performance. <i>Frontiers of Chemical Science and Engineering</i> , 2020, 14, 1072-1086.	4.4	12
77	Discovery of mono(μ -oxo)dicopper and bis(μ -oxo)dicopper in ordered Cu incorporated in SBA-15 via sol-gel process from silatrane at room temperature: An in situ XAS investigation. <i>Microporous and Mesoporous Materials</i> , 2020, 301, 110225.	4.4	12
78	An Innovative Synthesis of Calcium Zeolite Type A Catalysts from Eggshells via the Sol-gel Process. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2011, 21, 50-60.	3.7	11
79	A simple route to Cu x Sn (100 \hat{x}) intermetallic nanoparticle catalyst for ultra-phenol hydroxylation. <i>Materials Chemistry and Physics</i> , 2016, 181, 452-461.	4.0	11
80	Sol-gel processing of spirosilicates. <i>Journal of the European Ceramic Society</i> , 2003, 23, 417-427.	5.7	9
81	A novel room temperature synthesis of mesoporous SBA-15 from silatrane. <i>Journal of Porous Materials</i> , 2011, 18, 167-175.	2.6	9
82	The Effect of the Addition of Acetic Acid to Aqueous Ionic Liquid Mixture Using Microwave-assisted Pretreatment in the Saccharification of Napier Grass. <i>Waste and Biomass Valorization</i> , 2018, 9, 1795-1804.	3.4	9
83	Impressive phenol hydroxylation activity using Fe-Ti-TUD-1 synthesized from silatrane via sol-gel process. <i>Applied Catalysis A: General</i> , 2015, 504, 448-456.	4.3	8
84	Fabrication of Dendrimer Porogen-Capsulated Mesoporous Silica via Sol-gel Process of Silatrane Precursor. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 1844-1850.	0.9	7
85	Interactions between CO and Poly(p-phenylene vinylene) as Induced by Ion-Exchanged Zeolites. <i>Materials</i> , 2009, 2, 2259-2275.	2.9	7
86	Synthesis of Fe-Ti-MCM-48 from silatrane precursor via sol-gel process and its hydrothermal stability. <i>Materials Chemistry and Physics</i> , 2014, 146, 374-379.	4.0	7
87	Performance polybenzoxazine membrane and mixed matrix membrane for ethanol purification via pervaporation applications. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 1173-1182.	3.2	6
88	Effective and reusable T. reesei immobilized on SBA-15 for monomeric sugar production from cellulose hydrolysis. <i>Bioresource Technology Reports</i> , 2019, 5, 199-205.	2.7	6
89	Preparation of poly(vinyl alcohol)/tin glycolate composite fibers by combined sol-gel/electrospinning techniques and their conversion to ultrafine tin oxide fibers. <i>Materials Chemistry and Physics</i> , 2010, 119, 175-181.	4.0	5
90	Synthesis and electrical property study of La ₃ Ni ₂ MO ₉ (M=Nb and TA). <i>Materials Letters</i> , 2016, 162, 37-39.	2.6	5

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91	Layer-by-layer modification of porous polybenzoxazine with silver nanoparticles for enhanced CO_2 storage. Journal of Applied Polymer Science, 2017, 134, 45097.	2.6	5
92	Controllable deposition of gadolinium doped ceria electrolyte films by magnetic-field-assisted electrostatic spray deposition. Thin Solid Films, 2013, 546, 423-430.	1.8	4
93	Structural Aspects of SBA-1 Cubic Mesoporous Silica Synthesized via a Sol-Gel Process Using a Silatrane Precursor. Journal of the American Ceramic Society, 2007, 90, 3992-3997.	3.8	3
94	Property Study of $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$ ($x \leq 0.8$) to be used for IT-SOFCs Cathode. ECS Transactions, 2009, 25, 2581-2588.	0.5	3
95	Evaluation of highly efficient monomeric sugar yield from Thai Tiger grass (<i>Thysanolaena maxima</i>). Materials Research Innovations, 2016, 20, 259-267.	2.3	3
96	Rheology and Heat Treatment of Zirconia Based Gels Synthesized from Sodium Glycozirconate Precursor. Materials Science Forum, 2005, 480-481, 549-556.	0.3	2
97	Remarkable Activity of Nanoarchitectonics Mesoporous $\text{CuO/CeO}_2\text{-TiO}_2$ Prepared by Nanocasting and Deposition Precipitation Techniques. Journal of Nanoscience and Nanotechnology, 2020, 20, 2791-2802.	0.9	1
98	Na-A (LTA) Zeolite Synthesis Directly from Alumatrane and Silatrane by Sol-Gel Microwave Techniques.. ChemInform, 2003, 34, no.	0.0	0
99	Viscoelastic Properties of Ceria Gel. Materials Science Forum, 2005, 480-481, 355-360.	0.3	0
100	Electroactive perovskite lead zirconate particles embedded in an acrylic elastomer. E-Polymers, 2012, 12, .	3.0	0