

# Wai Kian Tan

## List of Publications by Year in descending order

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189  
papers

4,368  
citations

172457

29  
h-index

138484

58  
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193  
all docs

193  
docs citations

193  
times ranked

3522  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heteroatom doped graphene engineering for energy storage and conversion. <i>Materials Today</i> , 2020, 39, 47-65.	14.2	400
2	Recent progress in the synthesis of graphene and derived materials for next generation electrodes of high performance lithium ion batteries. <i>Progress in Energy and Combustion Science</i> , 2019, 75, 100786.	31.2	379
3	A review on synthesis of graphene, h-BN and MoS <sub>2</sub> for energy storage applications: Recent progress and perspectives. <i>Nano Research</i> , 2019, 12, 2655-2694.	10.4	283
4	Recent progress on carbon-based composite materials for microwave electromagnetic interference shielding. <i>Carbon</i> , 2021, 177, 304-331.	10.3	239
5	An overview of recent progress in nanostructured carbon-based supercapacitor electrodes: From zero to bi-dimensional materials. <i>Carbon</i> , 2022, 193, 298-338.	10.3	168
6	Microwave-assisted thin reduced graphene oxide-cobalt oxide nanoparticles as hybrids for electrode materials in supercapacitor. <i>Journal of Energy Storage</i> , 2021, 40, 102724.	8.1	137
7	Laser processing of graphene and related materials for energy storage: State of the art and future prospects. <i>Progress in Energy and Combustion Science</i> , 2022, 91, 100981.	31.2	124
8	Microwave-assisted synthesis of Mn <sub>3</sub> O <sub>4</sub> -Fe <sub>2</sub> O <sub>3</sub> /Fe <sub>3</sub> O <sub>4</sub> @rGO ternary hybrids and electrochemical performance for supercapacitor electrode. <i>Diamond and Related Materials</i> , 2020, 101, 107622.	3.9	102
9	Synthesis of plate-like Li <sub>3</sub> PS <sub>4</sub> solid electrolyte via liquid-phase shaking for all-solid-state lithium batteries. <i>Ionics</i> , 2017, 23, 2061-2067.	2.4	96
10	Facile and fast microwave-assisted formation of reduced graphene oxide-wrapped manganese cobaltite ternary hybrids as improved supercapacitor electrode material. <i>Applied Surface Science</i> , 2019, 481, 296-306.	6.1	86
11	Inorganic-organic composite electrolytes consisting of polybenzimidazole and Cs-substituted heteropoly acids and their application for medium temperature fuel cells. <i>Journal of Materials Chemistry</i> , 2010, 20, 6359.	6.7	77
12	Heteroatom doping of 2D graphene materials for electromagnetic interference shielding: a review of recent progress. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2022, 47, 570-619.	12.3	68
13	Nanocomposite matrix conjugated with carbon nanomaterials for photocatalytic wastewater treatment. <i>Journal of Hazardous Materials</i> , 2021, 410, 124657.	12.4	66
14	Elaboration and characterization of sol-gel derived ZrO <sub>2</sub> thin films treated with hot water. <i>Applied Surface Science</i> , 2012, 258, 5250-5258.	6.1	59
15	Electrochemical deposition of uniform and porous Co-Ni layered double hydroxide nanosheets on nickel foam for supercapacitor electrode with improved electrochemical efficiency. <i>Journal of Energy Storage</i> , 2022, 50, 104638.	8.1	59
16	Systematic characterization of the effect of Ag@TiO <sub>2</sub> nanoparticles on the performance of plasmonic dye-sensitized solar cells. <i>Scientific Reports</i> , 2017, 7, 15690.	3.3	54
17	Recent advances in waste-recycled nanomaterials for biomedical applications: Waste-to-wealth. <i>Nanotechnology Reviews</i> , 2021, 10, 1662-1739.	5.8	50
18	Superior performance of Ni(OH) <sub>2</sub> -ErGO@ NF electrode materials as pseudocapacitance using electrochemical deposition via two simple successive steps. <i>Journal of Energy Storage</i> , 2020, 30, 101485.	8.1	49

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19	Carbon-dot-loaded $\text{Co}_x\text{Ni}_{1-x}\text{Fe}_2\text{O}_4$ ; $x=0.9$ /SiO <sub>2</sub> /TiO <sub>2</sub> nanocomposite with enhanced photocatalytic and antimicrobial potential: An engineered nanocomposite for wastewater treatment. <i>Scientific Reports</i> , 2020, 10, 11534.	3.3	48
20	Oxidation of etched Zn foil for the formation of ZnO nanostructure. <i>Journal of Alloys and Compounds</i> , 2011, 509, 6806-6811.	5.5	37
21	Low-temperature crystallization of TiO <sub>2</sub> nanotube arrays via hot water treatment and their photocatalytic properties under visible-light irradiation. <i>Materials Chemistry and Physics</i> , 2013, 137, 991-998.	4.0	36
22	Fast synthesis of $\text{Li}_2\text{S}_5$ solid electrolyte precursors. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1660-1664.	6.0	36
23	Nanomaterial Fabrication through the Modification of Sol-Gel Derived Coatings. <i>Nanomaterials</i> , 2021, 11, 181.	4.1	36
24	Formation of self-aligned ZnO nanorods in aqueous solution. <i>Journal of Alloys and Compounds</i> , 2010, 493, 699-706.	5.5	35
25	Ag nanoparticle-deposited TiO <sub>2</sub> nanotube arrays for electrodes of Dye-sensitized solar cells. <i>Nanoscale Research Letters</i> , 2015, 10, 219.	5.7	33
26	High Ionic Conductivity of Liquid-Phase-Synthesized $\text{Li}_3\text{PS}_4$ Solid Electrolyte, Comparable to That Obtained via Ball Milling. <i>ACS Applied Energy Materials</i> , 2021, 4, 2275-2281.	5.1	33
27	Single-step growth of carbon and potassium-embedded TiO <sub>2</sub> nanotube arrays for efficient photoelectrochemical hydrogen generation. <i>Electrochimica Acta</i> , 2013, 89, 585-593.	5.2	32
28	Formation of highly crystallized ZnO nanostructures by hot-water treatment of etched Zn foils. <i>Materials Letters</i> , 2013, 91, 111-114.	2.6	32
29	Preparation of $\text{Li}_7\text{P}_2\text{S}_8\text{I}$ Solid Electrolyte and Its Application in All-Solid-State Lithium-Ion Batteries with Graphite Anode. <i>Electronic Materials Letters</i> , 2019, 15, 409-414.	2.2	31
30	Synthesis of rutile TiO <sub>2</sub> nanowires by thermal oxidation of titanium in the presence of KOH and their ability to photoreduce Cr(VI) ions. <i>Journal of Alloys and Compounds</i> , 2020, 812, 152094.	5.5	30
31	Sulfur-Carbon Nano Fiber Composite Solid Electrolyte for All-Solid-State Li-S Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 1569-1573.	5.1	29
32	Photoluminescence properties of rod-like Ce-doped ZnO nanostructured films formed by hot-water treatment of sol-gel derived coating. <i>Optical Materials</i> , 2013, 35, 1902-1907.	3.6	28
33	Hard template synthesis of metal nanowires. <i>Frontiers in Chemistry</i> , 2014, 2, 104.	3.6	28
34	Formation and stabilization of tetragonal phase in sol-gel derived ZrO <sub>2</sub> treated with base-hot-water. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 173, 99-104.	3.5	26
35	Ag nanoparticle-filled TiO <sub>2</sub> nanotube arrays prepared by anodization and electrophoretic deposition for dye-sensitized solar cells. <i>Nanotechnology</i> , 2017, 28, 135207.	2.6	25
36	Water resistance and biodegradation properties of conventionally-heated and microwave-cured cross-linked cellulose nanocrystal/chitosan composite films. <i>Polymer Degradation and Stability</i> , 2021, 188, 109563.	5.8	25

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37	Micro- and Nano-assembly of Composite Particles by Electrostatic Adsorption. <i>Nanoscale Research Letters</i> , 2019, 14, 297.	5.7	25
38	High surface area BaZrO <sub>3</sub> photocatalyst prepared by base-hot-water treatment. <i>Journal of the European Ceramic Society</i> , 2011, 31, 2699-2705.	5.7	24
39	TiO <sub>2</sub> nanotube arrays formation in fluoride/ethylene glycol electrolyte containing LiOH or KOH as photoanode for dye-sensitized solar cell. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 343, 33-39.	3.9	23
40	Synthesis of Sulfide Solid Electrolytes through the Liquid Phase: Optimization of the Preparation Conditions. <i>ACS Omega</i> , 2020, 5, 26287-26294.	3.5	22
41	Sunlight activated anodic freestanding ZrO <sub>2</sub> nanotube arrays for Cr(VI) photoreduction. <i>Nanotechnology</i> , 2018, 29, 375701.	2.6	21
42	Fabrication of an all-solid-state Zn-air battery using electroplated Zn on carbon paper and KOH-ZrO <sub>2</sub> solid electrolyte. <i>Applied Surface Science</i> , 2019, 487, 343-348.	6.1	21
43	PMMA-ITO Composite Formation via Electrostatic Assembly Method for Infra-Red Filtering. <i>Nanomaterials</i> , 2019, 9, 886.	4.1	20
44	Mechanochemically synthesized cesium-ion-substituted phosphotungstic acid using several types of cesium-containing salts. <i>Solid State Ionics</i> , 2008, 179, 1174-1177.	2.7	19
45	AgBr nanocrystal-dispersed silsesquioxane-titania hybrid films for holographic materials. <i>Materials Letters</i> , 2010, 64, 2648-2651.	2.6	19
46	Synthesis of ZnO nanorod-nanosheet composite via facile hydrothermal method and their photocatalytic activities under visible-light irradiation. <i>Journal of Solid State Chemistry</i> , 2014, 211, 146-153.	2.9	19
47	Rapid nanosheets and nanowires formation by thermal oxidation of iron in water vapour and their applications as Cr(VI) adsorbent. <i>Applied Surface Science</i> , 2016, 380, 172-177.	6.1	19
48	Nanotube array-based barium titanate-cobalt ferrite composite film for affordable magnetoelectric multiferroics. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10066-10072.	5.5	19
49	Mechanical Properties of Sulfide-Type Solid Electrolytes Analyzed by Indentation Methods. <i>ACS Applied Energy Materials</i> , 2022, 5, 2349-2355.	5.1	19
50	Anhydrous proton conductivity of KHSO <sub>4</sub> -H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> composites and the correlation with hydrogen bonding distance under ambient pressure. <i>Electrochimica Acta</i> , 2011, 56, 9364-9369.	5.2	18
51	Anodic Ag/TiO <sub>2</sub> nanotube array formation in NaOH/fluoride/ethylene glycol electrolyte as a photoanode for dye-sensitized solar cells. <i>Nanotechnology</i> , 2016, 27, 355605.	2.6	18
52	Fe <sub>3</sub> O <sub>4</sub> -embedded rGO composites as anode for rechargeable FeOx-air batteries. <i>Materials Today Communications</i> , 2020, 25, 101540.	1.9	18
53	Morphology and optical properties of ZnO nanorods coupled with metal oxides of various bandgaps by photo-oxidation. <i>Journal of Luminescence</i> , 2021, 229, 117649.	3.1	18
54	Facile formation of Fe <sub>3</sub> O <sub>4</sub> -particles decorated carbon paper and its application for all-solid-state rechargeable Fe-air battery. <i>Applied Surface Science</i> , 2019, 486, 257-264.	6.1	17

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55	Deposition of Ultrathin Nafion Layers on Sol-Gel-Derived Phenylsilsesquioxane Particles via Layer-by-Layer Assembly. <i>Journal of the Electrochemical Society</i> , 2008, 155, B479.	2.9	16
56	Formation of ZnO nanorod arrays on polytetrafluoroethylene (PTFE) via a seeded growth low temperature hydrothermal reaction. <i>Journal of Alloys and Compounds</i> , 2011, 509, 820-826.	5.5	16
57	Preparation of hydroxide ion conductive KOH-layered double hydroxide electrolytes for an all-solid-state iron-air secondary battery. <i>Journal of Asian Ceramic Societies</i> , 2014, 2, 165-168.	2.3	16
58	Incorporation of titanium pyrophosphate in polybenzimidazole membrane for medium temperature dry PEFC application. <i>Solid State Ionics</i> , 2020, 344, 115140.	2.7	16
59	Hexavalent Chromium Removal via Photoreduction by Sunlight on Titanium Dioxide Nanotubes Formed by Anodization with a Fluorinated Glycerol-Water Electrolyte. <i>Catalysts</i> , 2021, 11, 376.	3.5	16
60	Three-dimensional hydrogen-bonding networks and proton conductivities under non-humidified conditions of CsHSO <sub>4</sub> -WPA composites. <i>Solid State Ionics</i> , 2010, 181, 180-182.	2.7	15
61	Preparation of Li <sub>3</sub> PS <sub>4</sub> Solid Electrolyte by Liquid-Phase Shaking Using Organic Solvents with Carbonyl Group as Complex Forming Medium. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2016, 63, 976-980.	0.2	15
62	The Assessment of Cr(VI) Removal by Iron Oxide Nanosheets and Nanowires Synthesized by Thermal Oxidation of Iron in Water Vapour. <i>Procedia Chemistry</i> , 2016, 19, 586-593.	0.7	15
63	Electrostatic Assembly Technique for Novel Composites Fabrication. <i>Journal of Composites Science</i> , 2020, 4, 155.	3.0	15
64	Magnetically recoverable magnetite-reduced graphene oxide as a demulsifier for surfactant stabilized crude oil-in-water emulsion. <i>PLoS ONE</i> , 2020, 15, e0232490.	2.5	15
65	Preparation and Characterization of Stable and Active Pt@TiO <sub>2</sub> Core-Shell Nanoparticles as Electrocatalyst for Application in PEMFCs. <i>ACS Applied Energy Materials</i> , 2020, 3, 3269-3281.	5.1	15
66	Enhanced photocatalytic and antimicrobial performance of a multifunctional Cu-loaded nanocomposite under UV light: theoretical and experimental study. <i>Nanoscale</i> , 2022, 14, 8306-8317.	5.6	15
67	Mechanochemically synthesized CsH <sub>2</sub> PO <sub>4</sub> ·H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> composites as proton-conducting electrolytes for fuel cell systems in a dry atmosphere. <i>Science and Technology of Advanced Materials</i> , 2011, 12, 034402.	6.1	14
68	Fabrication of well-crystallized mesoporous ZrO <sub>2</sub> thin films via Pluronic P123 templated sol-gel route. <i>Ceramics International</i> , 2013, 39, S437-S440.	4.8	14
69	Ex situ Raman mapping study of mechanism of cordierite formation from stoichiometric oxide precursors. <i>Journal of the European Ceramic Society</i> , 2014, 34, 1009-1015.	5.7	14
70	Three modes of high-efficient photocatalysis using composites of TiO <sub>2</sub> -nanocrystallite-containing mesoporous SiO <sub>2</sub> and Au nanoparticles. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 74, 748-755.	2.4	14
71	Blue-emitting photoluminescence of rod-like and needle-like ZnO nanostructures formed by hot-water treatment of sol-gel derived coatings. <i>Journal of Luminescence</i> , 2015, 158, 44-49.	3.1	14
72	Electrochemical Performance of Sintered Porous Negative Electrodes Fabricated with Atomized Powders for Iron-Based Alkaline Rechargeable Batteries. <i>Journal of the Electrochemical Society</i> , 2017, 164, A2049-A2055.	2.9	14

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73	CHS-WSiA doped hexafluoropropylidene-containing polybenzimidazole composite membranes for medium temperature dry fuel cells. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 32201-32209.	7.1	14
74	Effect of ZnO Seed Layer on the Growth of ZnO Nanorods on Silicon Substrate. <i>Materials Today: Proceedings</i> , 2019, 17, 553-559.	1.8	14
75	Novel palladium-guanine-reduced graphene oxide nanocomposite as efficient electrocatalyst for methanol oxidation reaction. <i>Materials Research Bulletin</i> , 2019, 112, 213-220.	5.2	14
76	Comparison of ZrO <sub>2</sub> , TiO <sub>2</sub> , and $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanotube arrays on Cr(VI) photoreduction fabricated by anodization of Zr, Ti, and Fe foils. <i>Materials Research Express</i> , 2020, 7, 055013.	1.6	14
77	Grain Boundary Sliding and Grain Interlocking in the Creep Deformation of Two-Phase Ceramics. <i>Journal of the American Ceramic Society</i> , 1998, 81, 1611-1621.	3.8	13
78	Design of hierarchically mesoporous tetragonal ZrO <sub>2</sub> thin films with tunable thickness by spin-coating via sol-gel template route. <i>Microporous and Mesoporous Materials</i> , 2013, 167, 198-206.	4.4	13
79	Facile Fabrication of rGO/Rutile TiO <sub>2</sub> Nanowires as Photocatalyst for Cr(VI) Reduction. <i>Materials Today: Proceedings</i> , 2019, 17, 1143-1151.	1.8	13
80	Investigation of the anchor layer formation on different substrates and its feasibility for optical properties control by aerosol deposition. <i>Applied Surface Science</i> , 2019, 483, 212-218.	6.1	13
81	Nanoporous anodic Nb <sub>2</sub> O <sub>5</sub> with pore-in-pore structure formation and its application for the photoreduction of Cr(VI). <i>Chemosphere</i> , 2021, 283, 131231.	8.2	13
82	Cutting-edge development in waste-recycled nanomaterials for energy storage and conversion applications. <i>Nanotechnology Reviews</i> , 2022, 11, 2215-2294.	5.8	13
83	Double-Shear Geometry for the Deformation and Flow of Ceramics at Elevated Temperatures. <i>Journal of the American Ceramic Society</i> , 1996, 79, 449-454.	3.8	12
84	Grain Boundary Sliding and Atomic Structures in Alumina Bicrystals with [0001] Symmetric Tilt Grain Boundaries. <i>Materials Transactions</i> , 2002, 43, 1561-1565.	1.2	12
85	Reversible conversion between AgCl and Ag in AgCl-doped RSiO <sub>3</sub> /2TiO <sub>2</sub> films prepared by a sol-gel technique. <i>Materials Chemistry and Physics</i> , 2011, 130, 264-269.	4.0	12
86	Optical properties of two-dimensional ZnO nanosheets formed by hot-water treatment of Zn foils. <i>Solid State Communications</i> , 2013, 162, 43-47.	1.9	12
87	Enhanced dye-sensitized solar cells performance of ZnO nanorod arrays grown by low-temperature hydrothermal reaction. <i>International Journal of Energy Research</i> , 2013, 37, n/a-n/a.	4.5	12
88	A Unique Approach to Characterization of Sol-Gel-Derived Rare-Earth-Doped Oxyfluoride Glass-Ceramics. <i>Journal of the American Ceramic Society</i> , 2013, 96, 476-480.	3.8	12
89	Preparation of thermally and chemically robust superhydrophobic coating from liquid phase deposition and low voltage reversible electrowetting. <i>Thin Solid Films</i> , 2017, 636, 273-282.	1.8	12
90	Photocatalytic performance of freestanding tetragonal zirconia nanotubes formed in H <sub>2</sub> O/NH <sub>4</sub> F/ethylene glycol electrolyte by anodisation of zirconium. <i>Nanotechnology</i> , 2017, 28, 155604.	2.6	12

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91	Controlled microstructure and mechanical properties of Al <sub>2</sub> O <sub>3</sub> -based nanocarbon composites fabricated by electrostatic assembly method. <i>Nanoscale Research Letters</i> , 2019, 14, 245.	5.7	12
92	Design of Heat-Conductive hBN/PMMA Composites by Electrostatic Nano-Assembly. <i>Nanomaterials</i> , 2020, 10, 134.	4.1	12
93	Cell performance enhancement with titania-doped polybenzimidazole based composite membrane in intermediate temperature fuel cell under anhydrous condition. <i>Journal of the Ceramic Society of Japan</i> , 2018, 126, 789-793.	1.1	11
94	Synthesis of an Al <sub>2</sub> O <sub>3</sub> -doped Li <sub>2</sub> S positive electrode with superior performance in all-solid-state batteries. <i>Materials Advances</i> , 2022, 3, 2488-2494.	5.4	11
95	Controlled facile fabrication of plasmonic enhanced Au-decorated ZnO nanowire arrays dye-sensitized solar cells. <i>Materials Today Communications</i> , 2017, 13, 354-358.	1.9	10
96	Formation of grassy TiO <sub>2</sub> nanotube thin film by anodisation in peroxide electrolyte for Cr(VI) removal under ultraviolet radiation. <i>Nanotechnology</i> , 2020, 31, 435605.	2.6	10
97	Formation of a High Conductivity Fuel Cell Electrolyte by Pressing Diphenylsiloxane-Based Inorganic-Organic Hybrid Particles. <i>Journal of the American Ceramic Society</i> , 2009, 92, S185-S188.	3.8	9
98	Preparation of hydroxide ion conductive KOH-ZrO <sub>2</sub> electrolyte for all-solid state iron/air secondary battery. <i>Solid State Ionics</i> , 2014, 262, 188-191.	2.7	9
99	Anodised porous Nb <sub>2</sub> O <sub>5</sub> for photoreduction of Cr(VI). <i>Materials Today: Proceedings</i> , 2019, 17, 1033-1039.	1.8	9
100	Facile Fabrication of Plasmonic Enhanced Noble-Metal-Decorated ZnO Nanowire Arrays for Dye-Sensitized Solar Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 359-366.	0.9	9
101	Deformation-induced surface corrugation of superplastic ceramics. <i>Journal of Materials Research</i> , 2001, 16, 1879-1882.	2.6	8
102	Sol-gel synthesis of novel photosensitive material with advanced holographic properties. <i>Journal of the Ceramic Society of Japan</i> , 2011, 119, 426-429.	1.1	8
103	Synthesis of high-edge exposure MoS <sub>2</sub> nano flakes. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	8
104	Study of branched TiO <sub>2</sub> nanotubes and their application to dye sensitized solar cells. <i>Journal of the Ceramic Society of Japan</i> , 2014, 122, 886-888.	1.1	8
105	Effects of multi-sized and -shaped Ag@TiO <sub>2</sub> nanoparticles on the performance of plasmonic dye-sensitized solar cells. <i>Journal of the Ceramic Society of Japan</i> , 2018, 126, 139-151.	1.1	8
106	Rapid TiO <sub>2</sub> Nanotubes Formation in Aged Electrolyte and Their Application as Photocatalysts for Cr(VI) Reduction Under Visible Light. <i>IEEE Nanotechnology Magazine</i> , 2018, 17, 1106-1110.	2.0	8
107	Effect of TiO <sub>2</sub> sol on the conversion efficiency of TiO <sub>2</sub> based dye-sensitized solar cell. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 95, 439-446.	2.4	8
108	Electrostatically assembled SiC/Al <sub>2</sub> O <sub>3</sub> composite particles for direct selective laser sintering. <i>Advanced Powder Technology</i> , 2021, 32, 2074-2084.	4.1	8

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109	Transparent conductive polymer composites obtained via electrostatically assembled carbon nanotubes/poly (methyl methacrylate) composite particles. <i>Advanced Powder Technology</i> , 2022, 33, 103528.	4.1	8
110	Stress Relaxation of Polycrystalline Ceramics with Grain Boundary Sliding and Grain Interlocking. <i>Journal of the American Ceramic Society</i> , 1999, 82, 169-177.	3.8	7
111	Effects of Addition of Supramolecular Assembly on the Anatase Nanocrystalline Precipitation of Sol-Gel Derived $\text{SiO}_2/\text{TiO}_2$ Coating Films by Hot-Water Treatment. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 1802-1806.	0.9	7
112	Vinylester resin/clay hybrids using various intercalating agents. <i>Journal of Applied Polymer Science</i> , 2010, 115, 2060-2068.	2.6	7
113	Design and synthesis of mesoporous $\text{ZrO}_2$ thin films using surfactant Pluronic P123 via sol-gel technique. <i>Journal of the Ceramic Society of Japan</i> , 2011, 119, 517-521.	1.1	7
114	Sol-gel template synthesis of $\text{BaTiO}_3$ films with nano-periodic structures. <i>Materials Letters</i> , 2018, 227, 120-123.	2.6	7
115	$\text{Ag}/\text{TiO}_2$ Nanowires-Loaded Dye-Sensitized Solar Cells and Their Effect on the Various Performance Parameters of DSSCs. <i>Journal of the Electrochemical Society</i> , 2018, 165, H500-H509.	2.9	7
116	Enhancement of interfacial property by novel solid ionomer $\text{CsHSO}_4\text{-H}_4\text{SiW}_{12}\text{O}_{40}$ for the three-phase interface of a medium-temperature anhydrous fuel cell. <i>Materials Letters</i> , 2019, 253, 201-204.	2.6	7
117	Fabrication of Carbon-decorated $\text{Al}_2\text{O}_3$ Composite Powders using Cellulose Nanofiber for Selective Laser Sintering. <i>Funtai Oyobi Fummatsumu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2019, 66, 168-173.	0.2	7
118	International Industrial Internship: A Case Study from a Japanese Engineering University Perspective. <i>Education Sciences</i> , 2021, 11, 156.	2.6	7
119	Preparation of $\text{Li}_3\text{PS}_4/\text{Li}_3\text{PO}_4$ Solid Electrolytes by Liquid-Phase Shaking for All-Solid-State Batteries. <i>Electronic Materials</i> , 2021, 2, 39-48.	1.9	7
120	Formation of porous $\text{Al}_2\text{O}_3/\text{SiO}_2$ composite ceramics by electrostatic assembly. <i>Journal of the Ceramic Society of Japan</i> , 2020, 128, 605-610.	1.1	7
121	Mechanical properties of alumina matrix composite reinforced with carbon nanofibers affected by small interfacial sliding shear stress. <i>Ceramics International</i> , 2022, 48, 8466-8472.	4.8	7
122	Formation mechanism of titania nanosheet crystallites on silica/titania gel films by vibration hot-water treatment. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009, 161, 170-174.	3.5	6
123	Mechanical properties comparison of phenylsilsesquioxane-methylsilsesquioxane hybrid films by indentation. <i>Journal of the Ceramic Society of Japan</i> , 2011, 119, 490-493.	1.1	6
124	Influence of UV irradiation on mechanical properties and structures of sol-gel-derived vinylsilsesquioxane films. <i>Journal of the Ceramic Society of Japan</i> , 2012, 120, 442-445.	1.1	6
125	Proton conductive composite electrolytes in the $\text{KH}_2\text{PO}_4/\text{H}_3\text{PW}_{12}\text{O}_{40}$ system for $\text{H}_2/\text{O}_2$ fuel cell operation. <i>Applied Energy</i> , 2013, 112, 1108-1114.	10.1	6
126	Comparative study on the properties of cross-linked cellulose nanocrystals/chitosan film composites with conventional heating and microwave curing. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49578.	2.6	6



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127	Synthesis of MRGO Nanocomposites as a Potential Photocatalytic Demulsifier for Crude Oil-in-Water Emulsion. <i>Journal of Composites Science</i> , 2021, 5, 174.	3.0	6
128	Development of Iron-Based Rechargeable Batteries with Sintered Porous Iron Electrodes. <i>ECS Transactions</i> , 2017, 75, 111-116.	0.5	5
129	Cr(VI) removal on visible light active TiO <sub>2</sub> nanotube arrays. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	5
130	Multiferroic nanocomposite fabrication via liquid phase using anodic alumina template. <i>Science and Technology of Advanced Materials</i> , 2018, 19, 535-542.	6.1	5
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