

Atsunori Matsuda

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#	Paper	IF	Citations
366	Superhydrophobic/Superhydrophilic Micropatterning on Flowerlike Alumina Coating Film by the Sol-Gel Method. <i>Chemistry of Materials</i> , 2000 , 12, 590-592	9.6	411
365	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	33.6	247
364	Heteroatom doped graphene engineering for energy storage and conversion. <i>Materials Today</i> , 2020 , 39, 47-65	21.8	214
363	A review on synthesis of graphene, h-BN and MoS ₂ for energy storage applications: Recent progress and perspectives. <i>Nano Research</i> , 2019 , 12, 2655-2694	10	156
362	Transparent Anatase Nanocomposite Films by the Sol-Gel Process at Low Temperatures. <i>Journal of the American Ceramic Society</i> , 2000 , 83, 229-31	3.8	139
361	Liquid-phase syntheses of sulfide electrolytes for all-solid-state lithium battery. <i>Nature Reviews Chemistry</i> , 2019 , 3, 189-198	34.6	138
360	Formation of Superhydrophobic Alumina Coating Films with High Transparency on Polymer Substrates by the Sol-Gel Method. <i>Journal of Sol-Gel Science and Technology</i> , 2003 , 26, 705-708	2.3	124
359	Proton conductivity and structure of phosphosilicate gels derived from tetraethoxysilane and phosphoric acid or triethylphosphate. <i>Solid State Ionics</i> , 2001 , 139, 113-119	3.3	91
358	Homogeneous reduced graphene oxide supported NiO-MnO ₂ ternary hybrids for electrode material with improved capacitive performance. <i>Electrochimica Acta</i> , 2019 , 303, 246-256	6.7	88
357	Synthesis of plate-like Li ₃ PS ₄ solid electrolyte via liquid-phase shaking for all-solid-state lithium batteries. <i>Ionics</i> , 2017 , 23, 2061-2067	2.7	77
356	Mechanisms of removal of heavy metal ions by ZnO particles. <i>Heliyon</i> , 2019 , 5, e01440	3.6	75
355	Preparation of Li ₃ PS ₄ solid electrolyte using ethyl acetate as synthetic medium. <i>Solid State Ionics</i> , 2016 , 288, 240-243	3.3	73
354	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		73
353	Proton conductivities of sol-gel derived phosphosilicate gels in medium temperature range with low humidity. <i>Solid State Ionics</i> , 2002 , 154-155, 687-692	3.3	70
352	Medium temperature range characterization as a proton conductor for phosphosilicate dry gels containing large amounts of phosphorus. <i>Electrochimica Acta</i> , 2001 , 47, 939-944	6.7	68
351	Tunable UV-Responsive Organic/Organic Hybrid Capsules. <i>Chemistry of Materials</i> , 2009 , 21, 195-197	9.6	66
350	Microwave-assisted synthesis of Mn ₃ O ₄ -Fe ₂ O ₃ /Fe ₃ O ₄ @rGO ternary hybrids and electrochemical performance for supercapacitor electrode. <i>Diamond and Related Materials</i> , 2020 , 101, 107622	3.5	65

349	Fabrication and electrochemical evaluation of micro-supercapacitors prepared by direct laser writing on free-standing graphite oxide paper. <i>Energy</i> , 2019 , 179, 676-684	7.9	63
348	Facile in-situ simultaneous electrochemical reduction and deposition of reduced graphene oxide embedded palladium nanoparticles as high performance electrode materials for supercapacitor with excellent rate capability. <i>Electrochimica Acta</i> , 2019 , 314, 124-134	6.7	63
347	Recent progress on carbon-based composite materials for microwave electromagnetic interference shielding. <i>Carbon</i> , 2021 , 177, 304-331	10.4	62
346	Chemical synthesis of Li ₃ PS ₄ precursor suspension by liquid-phase shaking. <i>Solid State Ionics</i> , 2016 , 285, 2-5	3.3	58
345	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	6.7	56
344	Liquid-phase synthesis of Li ₆ PS ₅ Br using ultrasonication and application to cathode composite electrodes in all-solid-state batteries. <i>Ceramics International</i> , 2018 , 44, 742-746	5.1	55
343	Formation of Anatase Nanocrystals in Sol-Gel Derived TiO ₂ -SiO ₂ Thin Films with Hot Water Treatment. <i>Journal of Sol-Gel Science and Technology</i> , 2000 , 19, 585-588	2.3	50
342	Fine-patterning on glass substrates by the sol-gel method. <i>Journal of Non-Crystalline Solids</i> , 1988 , 100, 501-505	3.9	50
341	Fine Patterning and Characterization of Gel Films Derived from Methyltriethoxysilane and Tetraethoxysilane. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 2849-2852	3.8	49
340	Anatase nanocrystal-dispersed thin films via sol-gel process with hot water treatment: effects of poly(ethylene glycol) addition on photocatalytic activities of the films. <i>Journal of Materials Chemistry</i> , 2001 , 11, 2045-2048		49
339	Elaboration and characterization of sol-gel derived ZrO ₂ thin films treated with hot water. <i>Applied Surface Science</i> , 2012 , 258, 5250-5258	6.7	47
338	Effect of UV irradiation on Polyelectrolyte Multilayered Films and Hollow Capsules Prepared by Layer-by-Layer Assembly. <i>Macromolecules</i> , 2006 , 39, 8067-8074	5.5	47
337	Honeycomb-like open-edged reduced-graphene-oxide-enclosed transition metal oxides (NiO/Co ₃ O ₄) as improved electrode materials for high-performance supercapacitor. <i>Journal of Energy Storage</i> , 2020 , 30, 101539	7.8	46
336	Structural Changes of Sol-Gel-Derived TiO ₂ /SiO ₂ Coatings in an Environment of High Temperature and High Humidity. <i>Journal of the American Ceramic Society</i> , 1993 , 76, 2899-2903	3.8	46
335	Preparation of Proton-Conductive Inorganic/Organic Hybrid Films from 3-Glycidoxypropyltrimethoxysilane and Orthophosphoric Acid. <i>Chemistry of Materials</i> , 2003 , 15, 1910-1912	9.6	44
334	Fabrication of biosensor based on Chitosan-ZnO/Polypyrrole nanocomposite modified carbon paste electrode for electroanalytical application. <i>Materials Science and Engineering C</i> , 2017 , 80, 494-501	8.3	42
333	Preparation of Transparent Thick Films by Electrophoretic Sol-Gel Deposition Using Phenyltriethoxysilane-Derived Particles. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 2501-2503	3.8	42
332	Electric double-layer capacitor using composites composed of phosphoric acid-doped silica gel and styrene-butadiene-styrene elastomer as a solid electrolyte. <i>Journal of Power Sources</i> , 1999 , 77, 12-16	8.9	42

- 331 Thermal Softening Behavior and Application to Transparent Thick Films of Poly(benzylsilsesquioxane) Particles Prepared by the Sol-Gel Process. *Journal of the American Ceramic Society*, **2001**, 84, 775-780 3.8 40
- 330 Formation of Anatase Nanocrystals-Precipitated Silica Coatings on Plastic Substrates by the Sol-Gel Process with Hot Water Treatment. *Journal of Sol-Gel Science and Technology*, **2003**, 27, 61-69 2.3 39
- 329 Nitrogen-Sulfur Co-Doped Reduced Graphene Oxide-Nickel Oxide Nanoparticle Composites for Electromagnetic Interference Shielding. *ACS Applied Nano Materials*, **2019**, 2, 4626-4636 5.6 38
- 328 Systematic characterization of the effect of Ag@TiO nanoparticles on the performance of plasmonic dye-sensitized solar cells. *Scientific Reports*, **2017**, 7, 15690 4.9 38
- 327 Effects of Addition of Poly(ethylene glycol) on the Formation of Anatase Nanocrystals in SiO₂/TiO₂ Gel Films with Hot Water Treatment. *Chemistry of Materials*, **2001**, 13, 2144-2149 9.6 38
- 326 Proton Conduction in Thickness-Controlled Ultrathin Polycation/Nafion Multilayers Prepared via Layer-by-Layer Assembly. *Chemistry of Materials*, **2008**, 20, 6405-6409 9.6 36
- 325 Synthesis and characterization of polydimethylsiloxane-cyanopropyltriethoxysilane-derived hybrid coating for stir bar sorptive extraction. *Journal of Sol-Gel Science and Technology*, **2011**, 59, 128-134 2.3 35
- 324 Preparation of Super-Water-Repellent Alumina Coating Film with High Transparency on Poly(ethylene terephthalate) by the Sol-Gel Method. *Chemistry Letters*, **2000**, 29, 864-865 1.7 35
- 323 Microwave-assisted thin reduced graphene oxide-cobalt oxide nanoparticles as hybrids for electrode materials in supercapacitor. *Journal of Energy Storage*, **2021**, 40, 102724 7.8 35
- 322 Low-temperature crystallization of TiO₂ nanotube arrays via hot water treatment and their photocatalytic properties under visible-light irradiation. *Materials Chemistry and Physics*, **2013**, 137, 991-998 4.4 34
- 321 Sensing of silver ions by nanotubular polyaniline film deposited on quartz-crystal in a microbalance. *Synthetic Metals*, **2010**, 160, 42-46 3.6 34
- 320 Anti-reflective properties of nano-structured alumina thin films on poly(methyl methacrylate) substrates by the sol-gel process with hot water treatment. *Thin Solid Films*, **2008**, 516, 4526-4529 2.2 34
- 319 Antireflective properties of flowerlike alumina thin films on soda-lime silica glass substrates prepared by the sol-gel method with hot water treatment. *Thin Solid Films*, **2007**, 515, 3914-3917 2.2 31
- 318 Shape-Controlled Metal Nanoparticles and Their Assemblies with Optical Functionalities. *Journal of Nanomaterials*, **2013**, 2013, 1-17 3.2 30
- 317 Evaluation of Photocatalytic Activity of Transparent Anatase Nanocrystals-Dispersed Silica Films Prepared by the Sol-Gel Process with Hot Water Treatment. *Journal of Sol-Gel Science and Technology*, **2003**, 26, 517-521 2.3 30
- 316 Inorganic-organic hybrid films from 3-glycidoxypropyltrimethoxysilane and orthophosphoric acid for medium temperature fuel cells. *Electrochemistry Communications*, **2003**, 5, 644-646 5.1 30
- 315 Coating Films of 20B2O3-B0SiO2 by the Sol-Gel Method. *Journal of the American Ceramic Society*, **1987**, 70, C-13-C-15 3.8 30
- 314 Single-step growth of carbon and potassium-embedded TiO₂ nanotube arrays for efficient photoelectrochemical hydrogen generation. *Electrochimica Acta*, **2013**, 89, 585-593 6.7 29

313	Thermoplastic and thermosetting properties of polyphenylsilsesquioxane particles prepared by two-step acid-base catalyzed sol-gel process. <i>Journal of Sol-Gel Science and Technology</i> , 2007 , 41, 217-222	2.3	29
312	Photocatalytic Decomposition of Acetaldehyde with Anatase Nanocrystals-Dispersed Silica Films Prepared by the Sol-Gel Process with Hot Water Treatment. <i>Journal of Sol-Gel Science and Technology</i> , 2001 , 22, 41-46	2.3	29
311	Formation and Characterization of Titania Nanosheet-Precipitated Coatings via Sol-Gel Process with Hot Water Treatment under Vibration. <i>Chemistry of Materials</i> , 2005 , 17, 749-757	9.6	28
310	Direct Formation of ZnAl Layered Double Hydroxide Films with High Transparency on Glass Substrate by the Sol-Gel Process with Hot Water Treatment. <i>Crystal Growth and Design</i> , 2006 , 6, 1726-1729	2.5	28
309	Formation of anti-reflective alumina films on polymer substrates by the sol-gel process with hot water treatment. <i>Surface and Coatings Technology</i> , 2006 , 201, 3653-3657	4.4	28
308	Proton Conductive Silica Gels Doped with Several Acids and Their Application to Electric Double-Layer Capacitor. <i>Chemistry Letters</i> , 1998 , 27, 1189-1190	1.7	28
307	Thermal Softening Behavior of Poly(phenylsilsesquioxane) and Poly(benzylsilsesquioxane) Particles.. <i>Journal of the Ceramic Society of Japan</i> , 2000 , 108, 830-835		28
306	Well-aligned TiO ₂ nanotube arrays for energy-related applications under solar irradiationPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. <i>Journal of Asian Ceramic Societies</i> , 2013 , 1, 203-219	2.4	27
305	Ag nanoparticle-deposited TiO ₂ nanotube arrays for electrodes of Dye-sensitized solar cells. <i>Nanoscale Research Letters</i> , 2015 , 10, 219	5	27
304	Carbon-incorporated TiO ₂ photoelectrodes prepared via rapid-anodic oxidation for efficient visible-light hydrogen generation. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 10046-10056	6.7	27
303	Formation of highly crystallized ZnO nanostructures by hot-water treatment of etched Zn foils. <i>Materials Letters</i> , 2013 , 91, 111-114	3.3	27
302	Hydrogen gas sensing properties of microwave-assisted 2D Hybrid Pd/rGO: Effect of temperature, humidity and UV illumination. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 7653-7665	6.7	27
301	One-pot liquid phase synthesis of (100x)Li ₃ PS ₄ xLiI solid electrolytes. <i>Journal of Power Sources</i> , 2017 , 365, 7-11	8.9	26
300	Utilization of glass paper as a support of proton conductive inorganicorganic hybrid membranes based on 3-glycidoxypropyltrimethoxysilane. <i>Electrochemistry Communications</i> , 2005 , 7, 245-248	5.1	26
299	Comparison of structure and proton conductivity of phosphosilicate gels derived from several kinds of phosphorus-containing compounds. <i>Solid State Ionics</i> , 2001 , 145, 161-166	3.3	26
298	Preparation and Characterization of Highly Proton-Conductive Composites Composed of Phosphoric Acid-Doped Silica Gel and Styrene-Ethylene-Butylene-Styrene Elastomer. <i>Journal of Sol-Gel Science and Technology</i> , 2000 , 17, 61-69	2.3	26
297	Fast synthesis of Li ₂ S ₂ S ₅ LiI solid electrolyte precursors. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 1660-1664	4.8	25
296	Formation and stabilization of tetragonal phase in sol-gel derived ZrO ₂ treated with base-hot-water. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010 , 173, 99-104	3.1	24

295	Preparation of Li7P2S8I Solid Electrolyte and Its Application in All-Solid-State Lithium-Ion Batteries with Graphite Anode. <i>Electronic Materials Letters</i> , 2019 , 15, 409-414	2.9	23
294	Hard template synthesis of metal nanowires. <i>Frontiers in Chemistry</i> , 2014 , 2, 104	5	23
293	Synthesis of mesoporous Co(OH) ₂ nanostructure film via electrochemical deposition using lyotropic liquid crystal template as improved electrode materials for supercapacitors application. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 857, 113728	4.1	23
292	Formation of TiO ₂ (B) Nanocrystallites in Sol-Gel-Derived SiO ₂ -TiO ₂ Film. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 3248-3250	3.8	22
291	Medium temperature operation of fuel cells using inorganic-organic hybrid films from 3-glycidoxypropyltrimethoxysilane and orthophosphoric acid. <i>Electrochimica Acta</i> , 2004 , 50, 705-708	6.7	22
290	Nanocomposite matrix conjugated with carbon nanomaterials for photocatalytic wastewater treatment. <i>Journal of Hazardous Materials</i> , 2021 , 410, 124657	12.8	22
289	TiO ₂ 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	4.7	21
288	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	3.3	21
287	Platelike Crystal Growth of Zn/Al Layered Double Hydroxide by Hot Water Treatment of Sol-Gel Derived Al ₂ O ₃ /ZnO Films on Glass Substrate. <i>Chemistry Letters</i> , 2006 , 35, 174-175	1.7	21
286	Hot-water treatment of sol-gel derived SiO ₂ /TiO ₂ microparticles and application to electrophoretic deposition for thick films. <i>Journal of Materials Science</i> , 2006 , 41, 8101-8108	4.3	21
285	Carbon-dot-loaded CoNiFeO _x (x = 0.9)/SiO ₂ /TiO ₂ nanocomposite with enhanced photocatalytic and antimicrobial potential: An engineered nanocomposite for wastewater treatment. <i>Scientific Reports</i> , 2020 , 10, 11534	4.9	21
284	Ag nanoparticle-filled TiO ₂ nanotube arrays prepared by anodization and electrophoretic deposition for dye-sensitized solar cells. <i>Nanotechnology</i> , 2017 , 28, 135207	3.4	20
283	Electricity producing property and bacterial community structure in microbial fuel cell equipped with membrane electrode assembly. <i>Journal of Bioscience and Bioengineering</i> , 2013 , 116, 106-113	3.3	20
282	Photocatalytic Micropatterning of Transparent Ethylsilsesquioxane/Titania Hybrid Films. <i>Chemistry of Materials</i> , 2002 , 14, 2693-2700	9.6	20
281	Weathering resistance of glass plates coated with sol-gel derived 9TiO ₂ /B ₂ O ₃ /SiO ₂ films. <i>Journal of Materials Science Letters</i> , 1989 , 8, 902-904		20
280	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	3.3	19
279	Changes in Porosity and Amounts of Adsorbed Water in Sol-Gel Derived Porous Silica Films with Heat Treatment. <i>Journal of Sol-Gel Science and Technology</i> , 2001 , 20, 129-134	2.3	19
278	Physical and Chemical Properties of Titania-Silica Films Derived From Poly(ethylene glycol)-Containing Gels. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 2217-2221	3.8	19

277	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 , 100981	33.6	19
276	Detection of antibiotic Ofloxacin drug in urine using electrochemical sensor based on synergistic effect of different morphological carbon materials. <i>Microchemical Journal</i> , 2019 , 146, 170-177	4.8	19
275	High surface area BaZrO ₃ photocatalyst prepared by base-hot-water treatment. <i>Journal of the European Ceramic Society</i> , 2011 , 31, 2699-2705	6	18
274	AgBr nanocrystal-dispersed silsesquioxane/titania hybrid films for holographic materials. <i>Materials Letters</i> , 2010 , 64, 2648-2651	3.3	18
273	Mechanochemically synthesized cesium-ion-substituted phosphotungstic acid using several types of cesium-containing salts. <i>Solid State Ionics</i> , 2008 , 179, 1174-1177	3.3	18
272	Proton conductivity at medium temperature range and chemical durability of phosphosilicate gels added with a third component. <i>Solid State Ionics</i> , 2003 , 162-163, 253-259	3.3	18
271	Lowering of Preparation Temperatures of Anatase Nanocrystals-Dispersed Coatings via Sol-Gel Process with Hot Water Treatment. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 1421-1426	3.8	18
270	A review on plasmonic nanoparticle-semiconductor photocatalysts for water splitting. <i>Journal of Cleaner Production</i> , 2021 , 294, 126200	10.3	18
269	Synthesis of rutile TiO ₂ 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	5.7	18
268	Medium temperature operation of fuel cells using thermally stable proton-conducting composite sheets composed of phosphosilicate gel and polyimide. <i>Journal of Power Sources</i> , 2004 , 138, 51-55	8.9	17
267	Superior performance of Ni(OH) ₂ -ErGO@ NF electrode materials as pseudocapacitance using electrochemical deposition via two simple successive steps. <i>Journal of Energy Storage</i> , 2020 , 30, 101485	7.8	17
266	Preparation and characterization of thermally stable proton-conducting composite sheets composed of phosphosilicate gel and polyimide. <i>Solid State Ionics</i> , 2003 , 162-163, 247-252	3.3	16
265	Phosphosilicate Gels as a Solid State Proton Conductor at Medium Temperature and Low Humidity.. <i>Journal of the Ceramic Society of Japan</i> , 2002 , 110, 131-134		16
264	Synthesis of Plasmonic Photocatalysts for Water Splitting. <i>Catalysts</i> , 2019 , 9, 982	4	16
263	Fabrication of an all-solid-state Zn-air battery using electroplated Zn on carbon paper and KOH-ZrO ₂ solid electrolyte. <i>Applied Surface Science</i> , 2019 , 487, 343-348	6.7	15
262	Voltammetric analysis of nitroxoline in tablets and human serum using modified carbon paste electrodes incorporating mesoporous carbon or multiwalled carbon nanotubes. <i>RSC Advances</i> , 2015 , 5, 56086-56097	3.7	15
261	Comparison of electrochemical and microbiological characterization of microbial fuel cells equipped with SPEEK and Nafion membrane electrode assemblies. <i>Journal of Bioscience and Bioengineering</i> , 2016 , 122, 322-8	3.3	15
260	Sunlight activated anodic freestanding ZrO nanotube arrays for Cr(VI) photoreduction. <i>Nanotechnology</i> , 2018 , 29, 375701	3.4	15

- 259 Micropatterning of SnO₂ thin films using hydrophobic/hydrophilic patterned surface. *Ceramics International*, **2004**, 30, 1815-1817 5.1 15
- 258 Preparation of Copolymerized Phenylsilsesquioxane-Benzylsilsesquioxane Particles. *Journal of Sol-Gel Science and Technology*, **2002**, 23, 247-252 2.3 15
- 257 Sol-Gel Derived Porous Silica Gels Impregnated with Sulfuric Acid. *Journal of the Electrochemical Society*, **2002**, 149, E292 3.9 15
- 256 Micro- and Nano-assembly of Composite Particles by Electrostatic Adsorption. *Nanoscale Research Letters*, **2019**, 14, 297 5 15
- 255 Nanomaterial Fabrication through the Modification of Sol-Gel Derived Coatings. *Nanomaterials*, **2021**, 11, 5.4 15
- 254 Heteroatom doping of 2D graphene materials for electromagnetic interference shielding: a review of recent progress. *Critical Reviews in Solid State and Materials Sciences*, 1-50 10.1 15
- 253 An overview of recent progress in nanostructured carbon-based supercapacitor electrodes: From zero to bi-dimensional materials. *Carbon*, **2022**, 193, 298-338 10.4 15
- 252 PMMA-ITO Composite Formation via Electrostatic Assembly Method for Infra-Red Filtering. *Nanomaterials*, **2019**, 9, 5.4 14
- 251 Three modes of high-efficient photocatalysis using composites of TiO₂-nanocrystallite-containing mesoporous SiO₂ and Au nanoparticles. *Journal of Sol-Gel Science and Technology*, **2015**, 74, 748-755 2.3 14
- 250 Sulfur/Carbon Nano Fiber Composite Solid Electrolyte for All-Solid-State LiB Batteries. *ACS Applied Energy Materials*, **2020**, 3, 1569-1573 6.1 14
- 249 Fabrication of Shape-Controlled Au Nanoparticles in a TiO₂-Containing Mesoporous Template Using UV Irradiation and Their Shape-Dependent Photocatalysis. *Journal of Materials Science and Technology*, **2014**, 30, 8-12 9.1 14
- 248 Characterization and film properties of electrophoretically deposited nanosheets of anionic titanate and cationic MgAl-layered double hydroxide. *Journal of Physical Chemistry B*, **2013**, 117, 1724-30^{3,4} 14
- 247 Photoinduced reduction and heat-induced oxidation of silver in transparent RSiO(3/2) and RSiO(3/2)-TiO(2) films. *Physical Chemistry Chemical Physics*, **2010**, 12, 6859-63 3.6 14
- 246 Mechanochemical synthesis of proton conductive cesium hydrogen salts of 12-tungstophosphoric acid and their composites. *Solid State Ionics*, **2007**, 178, 723-727 3.3 14
- 245 Micropatterning of Inorganic-Organic Hybrid Coating Films from Various Tri-Functional Silicon Alkoxides with a Double Bond in Their Organic Components. *Journal of Sol-Gel Science and Technology*, **2003**, 26, 431-434 2.3 14
- 244 Utilization of glass papers as a support for proton conducting inorganic/organic hybrid membranes from 3-glycidoxypropyltrimethoxysilane, tetraalkoxysilane and orthophosphoric acid. *Solid State Ionics*, **2005**, 176, 3001-3004 3.3 14
- 243 One-pot synthesis of reduced graphene oxide nanosheets anchored ZnO nanoparticles via microwave approach for electrochemical performance as supercapacitor electrode. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 15456-15465 2.1 14
- 242 High Ionic Conductivity of Liquid-Phase-Synthesized Li₃PS₄ Solid Electrolyte, Comparable to That Obtained via Ball Milling. *ACS Applied Energy Materials*, **2021**, 4, 2275-2281 6.1 14

241	Effect of Synthesis Methods on Methanol Oxidation Reaction on Reduced Graphene Oxide Supported Palladium Electrocatalysts. <i>Procedia Engineering</i> , 2017 , 184, 587-594		13
240	Preparation of Li ₃ PS ₄ Solid Electrolyte by Liquid-Phase Shaking Using Organic Solvents with Carbonyl Group as Complex Forming Medium. <i>Funtai Oyobi Fummatsu Yakini/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2016 , 63, 976-980	0.2	13
239	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	6.7	13
238	Synthesis and characterization of polyaniline- γ -amphorsulphonic acid nanotube film. <i>Materials Letters</i> , 2010 , 64, 379-382	3.3	13
237	Structures and electrical properties of core-shell composite electrolytes with multi-heterointerfaces. <i>Solid State Ionics</i> , 2007 , 178, 621-625	3.3	13
236	Micropatterning of Sol-Gel Derived Thin Films Using Hydrophobic-Hydrophilic Patterned Surface. <i>Journal of Sol-Gel Science and Technology</i> , 2004 , 31, 299-302	2.3	13
235	All solid-state nickel/metal hydride battery with a proton-conductive phosphoric acid-doped silica gel electrolyte. <i>Electrochimica Acta</i> , 2003 , 48, 1499-1503	6.7	13
234	Micropatterning on Methylsilsesquioxane-Phenylsilsesquioxane Thick Films by the Sol-Gel Method. <i>Journal of the American Ceramic Society</i> , 2000 , 83, 3211-3213	3.8	13
233	Synthesis of Sulfide Solid Electrolytes through the Liquid Phase: Optimization of the Preparation Conditions. <i>ACS Omega</i> , 2020 , 5, 26287-26294	3.9	13
232	Facile formation of Fe ₃ O ₄ -particles decorated carbon paper and its application for all-solid-state rechargeable Fe-air battery. <i>Applied Surface Science</i> , 2019 , 486, 257-264	6.7	12
231	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		12
230	Nanotube array-based barium titanate-bolt ferrite composite film for affordable magnetoelectric multiferroics. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 10066-10072	7.1	12
229	Preparation of hydroxide ion conductive KOH-layered double hydroxide electrolytes for an all-solid-state iron-air secondary batteryPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. <i>Journal of Asian Ceramic Societies</i> , 2014 , 2, 165-168	2.4	12
228	Optical properties of two-dimensional ZnO nanosheets formed by hot-water treatment of Zn foils. <i>Solid State Communications</i> , 2013 , 162, 43-47	1.6	12
227	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
226	Three-dimensional hydrogen-bonding networks and proton conductivities under non-humidified conditions of CsHSO ₄ /NPA composites. <i>Solid State Ionics</i> , 2010 , 181, 180-182	3.3	12
225	Length control of Ag nanorods in mesoporous SiO ₂ -TiO ₂ by light irradiation. <i>RSC Advances</i> , 2011 , 1, 584	3.7	12
224	Hydrophilic and mesoporous SiO ₂ -TiO ₂ -BO ₃ H system for fuel cell membrane applications. <i>Electrochimica Acta</i> , 2011 , 56, 3108-3114	6.7	12

223	Mechanochemically synthesized CsHPO-HPWO composites as proton-conducting electrolytes for fuel cell systems in a dry atmosphere. <i>Science and Technology of Advanced Materials</i> , 2011 , 12, 034402	7.1	12
222	Composite electrolytes composed of Cs-substituted phosphotungstic acid and sulfonated poly(ether ether ketone) for fuel cell systems. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010 , 173, 260-266	3.1	12
221	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	3.9	12
220	Low temperature crystallization of TiO ₂ in layer-by-layer assembled thin films formed from water-soluble Ti-complex and polycations. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 321, 233-237	5.1	12
219	Changes in Physical Properties and Structure of Sol-Gel Derived SiO ₂ Films in an Environment of High Temperature and High Humidity. <i>Journal of the Ceramic Society of Japan</i> , 1994 , 102, 330-335		12
218	Recent advances in waste-recycled nanomaterials for biomedical applications: Waste-to-wealth. <i>Nanotechnology Reviews</i> , 2021 , 10, 1662-1739	6.3	12
217	Novel palladium-guanine-reduced graphene oxide nanocomposite as efficient electrocatalyst for methanol oxidation reaction. <i>Materials Research Bulletin</i> , 2019 , 112, 213-220	5.1	12
216	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	3.8	11
215	Anisotropically assembled gold nanoparticles prepared using unidirectionally aligned mesochannels of silica film. <i>Scripta Materialia</i> , 2012 , 66, 479-482	5.6	11
214	Synthesis and characterization of polyaniline nanofiber/TiO ₂ nanoparticles hybrids. <i>Journal of the Ceramic Society of Japan</i> , 2011 , 119, 342-345	1	11
213	Reversible conversion between AgCl and Ag in AgCl-doped RSiO ₃ /2TiO ₂ films prepared by a sol-gel technique. <i>Materials Chemistry and Physics</i> , 2011 , 130, 264-269	4.4	11
212	Solid-state mechanochemical synthesis of CsHSO ₄ and 1,2,4-triazole inorganic-organic composite electrolytes for dry fuel cells. <i>Electrochimica Acta</i> , 2011 , 56, 2364-2371	6.7	11
211	Preparation of Proton Conductive Phosphosilicate Gels Derived from 2-(Diethoxyphosphoryl)ethyltriethoxysilane. <i>Chemistry Letters</i> , 2000 , 29, 1314-1315	1.7	11
210	Pregrooving on glass disks by the sol-gel method (Part I): formation and evaluation of pregrooved glass disks 1990 ,		11
209	Green fabrication of 3D hierarchical blossom-like hybrid of peeled montmorillonite-ZnO for in-vitro electrochemical sensing of diltiazem hydrochloride drug. <i>Materials Science and Engineering C</i> , 2020 , 111, 110773	8.3	10
208	Mechanochemical synthesis of proton conductive composites derived from cesium dihydrogen phosphate and guanine. <i>Solid State Ionics</i> , 2012 , 225, 223-227	3.3	10
207	Anhydrous proton conductivity of KHSO ₄ /H ₃ PW ₁₂ O ₄₀ composites and the correlation with hydrogen bonding distance under ambient pressure. <i>Electrochimica Acta</i> , 2011 , 56, 9364-9369	6.7	10
206	Nanometer Scale Proton Conductivity and Dynamics of CsHSO ₄ and H ₃ PW ₁₂ O ₄₀ Composites under Non-Humidified Conditions. <i>Chemistry of Materials</i> , 2010 , 22, 3418-3425	9.6	10

205	Thickness dependences of proton conductivity for ultrathin Nafion multilayers prepared via layer-by-layer assembly. <i>Solid State Ionics</i> , 2010 , 181, 197-200	3.3	10
204	Preparation and characterization of surface-sulfonated phenylsilsesquioxane-methylsilsesquioxane particles. <i>Solid State Ionics</i> , 2007 , 178, 601-605	3.3	10
203	Preparation of Titania Nanosheet-Precipitated Coatings on Glass Substrates by Treating SiO ₂ -TiO ₂ Gel Films with Hot Water Under Vibrations. <i>Journal of Sol-Gel Science and Technology</i> , 2004 , 31, 229-233	2.3	10
202	Solid electrolyte composed of 95(0.6Li ₂ Si ₂ O ₇ ·4SiO ₂)·5Li ₄ SiO ₄ glass and high molecular weight branched poly(oxyethylene). <i>Solid State Ionics</i> , 2002 , 154-155, 1-6	3.3	10
201	Pregrooving on glass disks by the sol-gel method (Part II): effects of the addition of organic polymers on the formation of glass films in the SiO ₂ -TiO ₂ system 1990 ,		10
200	Improvement of lithium ionic conductivity of Li ₃ PS ₄ through suppression of crystallization using low-boiling-point solvent in liquid-phase synthesis. <i>Solid State Ionics</i> , 2021 , 361, 115568	3.3	10
199	Photocatalytic performance of freestanding tetragonal zirconia nanotubes formed in HO/NHF/ethylene glycol electrolyte by anodisation of zirconium. <i>Nanotechnology</i> , 2017 , 28, 155604	3.4	9
198	Controlled microstructure and mechanical properties of AlO ₃ -based nanocarbon composites fabricated by electrostatic assembly method. <i>Nanoscale Research Letters</i> , 2019 , 14, 245	5	9
197	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	3.9	9
196	Selective preparation of zero- and one-dimensional gold nanostructures in a TiO ₂ nanocrystal-containing photoactive mesoporous template. <i>Nanoscale Research Letters</i> , 2012 , 7, 27	5	9
195	Fabrication of well-crystallized mesoporous ZrO ₂ thin films via Pluronic P123 templated sol-gel route. <i>Ceramics International</i> , 2013 , 39, S437-S440	5.1	9
194	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	9
193	Design of hierarchically meso-macroporous tetragonal ZrO ₂ thin films with tunable thickness by spin-coating via sol-gel template route. <i>Microporous and Mesoporous Materials</i> , 2013 , 167, 198-206	5.3	9
192	Effects of Phenyltriethoxysilane Concentration in Starting Solutions on Thermal Properties of Polyphenylsilsesquioxane Particles Prepared by a Two-Step Acid-Base Catalyzed Sol-Gel Process. <i>Journal of the Ceramic Society of Japan</i> , 2007 , 115, 131-135		9
191	Formation of convex shaped poly(phenylsilsesquioxane) micropatterns on indium tin oxide substrates with hydrophobic-hydrophilic patterns using the electrophoretic sol-gel deposition method. <i>Journal of Materials Research</i> , 2006 , 21, 1255-1260	2.5	9
190	Micropatterning of Inorganic-Organic Hybrid Thick Films from Vinyltriethoxysilane. <i>Journal of the Ceramic Society of Japan</i> , 2006 , 114, 125-127		9
189	Ion conducting composites from Li ₂ S·Si ₂ O ₇ ·4SiO ₄ oxysulfide glass and poly(oxyethylene)s. <i>Polymer</i> , 2001 , 42, 7225-7228	3.9	9
188	Influences of Humidity and Temperature on Weathering of Glass Substrates Coated with Sol-Gel Derived Films. <i>Journal of the Ceramic Society of Japan</i> , 1991 , 99, 545-549		9

187	Design of Heat-Conductive hBN-PMMA Composites by Electrostatic Nano-Assembly. <i>Nanomaterials</i> , 2020 , 10,	5.4	9
186	Fe ₃ O ₄ -embedded rGO composites as anode for rechargeable FeOx-air batteries. <i>Materials Today Communications</i> , 2020 , 25, 101540	2.5	9
185	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	2.2	8
184	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	6.7	8
183	Comparison of ZrO ₂ , TiO ₂ , and Fe ₂ O ₃ nanotube arrays on Cr(VI) photoreduction fabricated by anodization of Zr, Ti, and Fe foils. <i>Materials Research Express</i> , 2020 , 7, 055013	1.7	8
182	Development and fabrication of highly flexible, stretchable, and sensitive strain sensor for long durability based on silver nanoparticles/polydimethylsiloxane composite. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 11897-11910	2.1	8
181	Spontaneous changes in contact angle of water and oil on novel flip-flop-type hydrophobic multilayer coatings. <i>Applied Surface Science</i> , 2014 , 298, 142-146	6.7	8
180	Preparation of hydroxide ion conductive KOH-ZrO ₂ electrolyte for all-solid state iron/air secondary battery. <i>Solid State Ionics</i> , 2014 , 262, 188-191	3.3	8
179	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	8
178	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	8
177	Phase transition and proton conductivity of CsHSO ₄ /MPA composites prepared by mechanical milling. <i>Solid State Ionics</i> , 2010 , 181, 183-186	3.3	8
176	Mechanical Properties of Sol-Gel Inorganic-Organic Hybrid Films in Nanoindentation. <i>Key Engineering Materials</i> , 2006 , 317-318, 317-322	0.4	8
175	Structural Changes in RSiO _{3/2} -TiO ₂ Hybrid Films with UV Irradiation and Their Photocatalytic Micropatterning. <i>Journal of the Ceramic Society of Japan</i> , 2005 , 113, 519-524		8
174	Characterization of anatase nanocrystal-precipitated coatings from (100 - x)SiO ₂ /xTiO ₂ gel films via the sol-gel process with boiling hot water treatment. <i>Journal of Materials Research</i> , 2005 , 20, 256-263	2.5	8
173	Proton conductivity of acid-impregnated mesoporous silica gels prepared using surfactants as a template. <i>Solid State Ionics</i> , 2001 , 145, 135-140	3.3	8
172	Preparation of B ₂ O ₃ -SiO ₂ Coating Films by the Sol-Gel Method. <i>Journal of the Ceramic Association Japan</i> , 1987 , 95, 182-185		8
171	Preparation of ambient air-stable electrolyte Li ₄ SnS ₄ by aqueous ion-exchange process. <i>Solid State Ionics</i> , 2020 , 345, 115190	3.3	8
170	Liquid-phase synthesis of 100Li ₃ PS ₄ -50LiI-xLi ₃ PO ₄ solid electrolytes. <i>Solid State Ionics</i> , 2020 , 345, 115184	3.3	8

169	Preparation of LiNi _{1/3} Mn _{1/3} Co _{1/3} O ₂ /Li ₃ PS ₄ cathode composite particles using a new liquid-phase process and application to all-solid-state lithium batteries. <i>Journal of the Ceramic Society of Japan</i> , 2018 , 126, 826-831	1	8
168	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	8
167	Influence of Ce Substitution on Antimicrobial and Antibiofilm Properties of ZnCeFeO Nanoparticles (X = 0.0, 0.02, 0.04, 0.06, and 0.08) Conjugated with Ebselen and Its Role Subsidised with γ Radiation in Mitigating Human TNBC and Colorectal Adenocarcinoma Proliferation In Vitro. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	8
166	Preparation and Characterization of Stable and Active [email-protected] ₂ Core-Shell Nanoparticles as Electrocatalyst for Application in PEMFCs. <i>ACS Applied Energy Materials</i> , 2020 , 3, 3269-3281	6.1	7
165	Effects of multi-sized and -shaped Ag@TiO ₂ nanoparticles on the performance of plasmonic dye-sensitized solar cells. <i>Journal of the Ceramic Society of Japan</i> , 2018 , 126, 139-151	1	7
164	Synthesis of high-edge exposure MoS ₂ nano flakes. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	7
163	Anhydrous protic conduction of mechanochemically synthesized CsHSO ₄ /azole-derived composites. <i>Electrochimica Acta</i> , 2012 , 75, 11-19	6.7	7
162	Controlled facile fabrication of plasmonic enhanced Au-decorated ZnO nanowire arrays dye-sensitized solar cells. <i>Materials Today Communications</i> , 2017 , 13, 354-358	2.5	7
161	Colloidal processing of Li ₂ S-P ₂ S ₅ films fabricated via electrophoretic deposition methods and their characterization as a solid electrolyte for all solid state lithium ion batteries. <i>Journal of the Ceramic Society of Japan</i> , 2017 , 125, 287-292	1	7
160	Preparation of sheet-like electrolytes from poly(2-acrylamido-2-methyl-1-propanesulfonic acid)-deposited phenylsilsesquioxane particles. <i>Solid State Ionics</i> , 2010 , 181, 210-214	3.3	7
159	Effects of Various Additives during Hot Water Treatment on the Formation of Alumina Thin Films for Superhydrophobic Surfaces. <i>Journal of Adhesion Science and Technology</i> , 2008 , 22, 387-394	2	7
158	Effects of addition of supramolecular assembly on the anatase nanocrystalline precipitation of sol-gel derived SiO ₂ -TiO ₂ coating films by hot-water treatment. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 1802-6	1.3	7
157	Micropatterning for Vinylsilsesquioxane-Titania Hybrid Gel Films with Ultraviolet Light Irradiation. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2007 , 20, 101-105	0.7	7
156	External-Field Hot-Water Treatments of Sol-Gel Derived SiO ₂ -TiO ₂ Coatings for Surface Nanostructure Control-A Review-. <i>Journal of the Ceramic Society of Japan</i> , 2006 , 114, 26-35		7
155	Preparation of Proton Conductive Inorganic-Organic Hybrid Films Using Epoxycyclohexylethyltrimethoxysilane and Orthophosphoric Acid. <i>Journal of Sol-Gel Science and Technology</i> , 2004 , 31, 365-368	2.3	7
154	Proton Conductive Inorganic-Organic Hybrid Membranes as an Electrolyte for Fuel Cells Prepared from 3-Glycidoxypropyltrimethoxysilane and Orthophosphoric Acid. <i>Electrochemistry</i> , 2002 , 70, 998-1000 ¹⁻²		7
153	Formation of grassy TiO nanotube thin film by anodisation in peroxide electrolyte for Cr(VI) removal under ultraviolet radiation. <i>Nanotechnology</i> , 2020 , 31, 435605	3-4	7
152	Improved ionic conductivity of Li ₂ S-P ₂ S ₅ -LiI solid electrolytes synthesized by liquid-phase synthesis. <i>Solid State Ionics</i> , 2020 , 354, 115403	3.3	7

151	Fabrication on low voltage driven electrowetting liquid lens by dip coating processes. <i>Thin Solid Films</i> , 2016 , 608, 16-20	2.2	7
150	Fabrication of Carbon-decorated Al ₂ O ₃ Composite Powders using Cellulose Nanofiber for Selective Laser Sintering. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2019 , 66, 168-173	0.2	7
149	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	3.8	7
148	Effect of metal/metal oxide coupling on the photoluminescence properties of ZnO microrods. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	7
147	Sol-gel template synthesis of BaTiO ₃ films with nano-periodic structures. <i>Materials Letters</i> , 2018 , 227, 120-123	3.3	7
146	Multiphase Na ₃ SbS ₄ with high ionic conductivity. <i>Materials Today Energy</i> , 2019 , 13, 45-49	7	6
145	High ionic conductivity of multivalent cation doped LiPSCl solid electrolytes synthesized by mechanical milling.. <i>RSC Advances</i> , 2020 , 10, 22304-22310	3.7	6
144	Ag@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	3.9	6
143	Study of branched TiO ₂ nanotubes and their application to dye sensitized solar cells. <i>Journal of the Ceramic Society of Japan</i> , 2014 , 122, 886-888	1	6
142	Control of the structure, morphology and dielectric properties of bismuth titanate ceramics by praseodymium substitution using an intermediate fuel agent-assisted self-combustion synthesis. <i>Journal of Materials Science</i> , 2012 , 47, 4019-4027	4.3	6
141	Application of Montmorillonite Clay and Mesoporous Carbon as Modifiers to Carbon Paste Electrode for Determination of Amoxicillin Drug. <i>Journal of the Electrochemical Society</i> , 2017 , 164, H1003-H1012	3.9	6
140	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	6
139	Influences of pH on the structure, morphology and dielectric properties of bismuth titanate ceramics produced by a low-temperature self-combustion synthesis without an additional fuel agent. <i>Ceramics International</i> , 2012 , 38, 3001-3009	5.1	6
138	Design and synthesis of mesoporous 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	6
137	Formation mechanism of titania nanosheet cryatallites 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	3.1	6
136	Surface-sulfonation and fuel cell properties of phenylsilsesquioxane-based particles. <i>Solid State Ionics</i> , 2008 , 179, 1166-1169	3.3	6
135	Structure of polyphenylsilsesquioxane particles prepared by two-step acid-base catalyzed sol-gel process and formation of hollow particles. <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 3307-12	1.3	6
134	Characterization and Electrophoretic Deposition of Poly(Phenylsilsesquioxane)Titania Hybrid Particles Prepared by the SolGel Method. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 3107-3111	3.8	6

133	Micropatterning of Transparent Poly(Benzylsilsesquioxane) Thick Films Prepared by the Electrophoretic Sol-Gel Deposition Process Using a Hydrophobic-Hydrophilic-Patterned Surface. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 3832-3835	3.8	6
132	Preparation and Characterization of Lithium Ion Conducting Glass-Polymer Composites. <i>Chemistry Letters</i> , 2001 , 30, 814-815	1.7	6
131	Control of Thermal Softening Behavior of Polyphenylsilsesquioxane Particles for Transparent Thick Films by Electrophoretic Deposition.. <i>Journal of the Ceramic Society of Japan</i> , 2002 , 110, 1005-1009		6
130	Proton-Conductive Composites Composed of Phosphoric Acid-Doped Silica Gel and Organic Polymers with Sulfo Groups.. <i>Journal of the Ceramic Society of Japan</i> , 2000 , 108, 45-50		6
129	Na _{3+x} (Sb _{1-x} Sn _x)S ₄ solid electrolytes (0 ≤ x ≤ 1) as sodium ion conductors. <i>Solid State Ionics</i> , 2020 , 344, 115133	3.3	6
128	Performance of a silver nanoparticles-based polydimethylsiloxane composite strain sensor produced using different fabrication methods. <i>Sensors and Actuators A: Physical</i> , 2021 , 329, 112793	3.9	6
127	Nanoporous anodic NbO with pore-in-pore structure formation and its application for the photoreduction of Cr(VI). <i>Chemosphere</i> , 2021 , 283, 131231	8.4	6
126	Development of Iron-Based Rechargeable Batteries with Sintered Porous Iron Electrodes. <i>ECS Transactions</i> , 2017 , 75, 111-116	1	5
125	Synthesis of TiO ₂ Nanotube Arrays in NaOH Added Ethylene Glycol Electrolyte and the Effect of Annealing Temperature on the Nanotube Arrays to their Photocurrent Performance. <i>Key Engineering Materials</i> , 2016 , 701, 28-32	0.4	5
124	Annealing temperature-dependent crystallinity and photocurrent response of anodic nanoporous iron oxide film. <i>Journal of Materials Research</i> , 2016 , 31, 1681-1690	2.5	5
123	Multiferroic nanocomposite fabrication via liquid phase using anodic alumina template. <i>Science and Technology of Advanced Materials</i> , 2018 , 19, 535-542	7.1	5
122	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	6	5
121	Proton conductive composite electrolytes in the KH ₂ PO ₄ -H ₃ PW ₁₂ O ₄₀ system for H ₂ /O ₂ fuel cell operation. <i>Applied Energy</i> , 2013 , 112, 1108-1114	10.7	5
120	Visible-light-induced photocatalysis of 2D-hexagonal mesoporous SiO ₂ -TiO ₂ deposited with Au nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 2225-30	1.3	5
119	Mechanical properties comparison of phenylsilsesquioxane-methylsilsesquioxane hybrid films by indentation. <i>Journal of the Ceramic Society of Japan</i> , 2011 , 119, 490-493	1	5
118	Preparation of Proton Conductive Solid Acid Composites by Mechanical Milling. <i>Journal of the Japan Petroleum Institute</i> , 2010 , 53, 24-32	1	5
117	Highly hydrophobic flip-flop-type ultrathin coating films prepared via electrostatic self-assembly. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 404-7	1.3	5
116	Percolated interface conductivity of sheet-like electrolyte prepared from poly(2-acrylamido-2-methyl-1-propanesulfonic acid)-deposited core-shell particles and effect of core particle size. <i>Journal of Power Sources</i> , 2010 , 195, 5942-5946	8.9	5

115	Effects of Electric Field on the Formation of Titania Nanocrystals on SiO ₂ -TiO ₂ Gel Coatings during Hot Water Treatment. <i>Journal of the Ceramic Society of Japan</i> , 2005 , 113, 333-335		5
114	Sol-gel technology for optical disk application 1992 , 1758, 105		5
113	Synthesis of 3Li ₂ S ₁ P ₂ S ₅ LiI solid electrolytes by liquid-phase shaking method for all-solid-state Li metal batteries. <i>Journal of Sol-Gel Science and Technology</i> , 1	2.3	5
112	Incorporation of titanium pyrophosphate in polybenzimidazole membrane for medium temperature dry PEFC application. <i>Solid State Ionics</i> , 2020 , 344, 115140	3.3	5
111	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	4	5
110	Rapid TiO ₂ 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	2.6	5
109	Characterization of mechanochemically synthesized MHSO ₄ H ₄ SiW ₁₂ O ₄₀ composites (M=K, NH ₄ , Cs). <i>Materials Research Bulletin</i> , 2012 , 47, 2931-2935	5.1	4
108	Texture development of surface-modified SiC prepared by EPD in a strong magnetic field. <i>Journal of the Ceramic Society of Japan</i> , 2011 , 119, 667-671	1	4
107	Electrophoretic deposition of surface-modified titanate nanosheets via layer-by-layer assembly and deposited film properties. <i>Journal of the European Ceramic Society</i> , 2010 , 30, 1151-1158	6	4
106	Glass transition and thermal softening of poly(phenylsilsesquioxane) particles prepared using two-step acid/base catalyzed sol-gel process. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 700-704	3.9	4
105	Fabrication of convex-shaped polybenzylsilsesquioxane micropatterns by the electrophoretic sol-gel deposition process using indium tin oxide substrates with a hydrophobic-hydrophilic-patterned surface. <i>Journal of Sol-Gel Science and Technology</i> , 2007 , 43, 85-91	2.3	4
104	Micropatterning of Phenylsilsesquioxane Thick Films by the Electrophoretic Sol-Gel Deposition Process Using ITO Substrates with a Hydrophobic-Hydrophilic Patterned Surface. <i>Key Engineering Materials</i> , 2006 , 314, 159-166	0.4	4
103	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	1.3	4
102	The effect of solvent on reactivity of the LiS-PS system in liquid-phase synthesis of LiPS solid electrolyte. <i>Scientific Reports</i> , 2021 , 11, 21097	4.9	4
101	Effects of Substituting S with Cl on the Structural and Electrochemical Characteristics of Na ₃ SbS ₄ Solid Electrolytes. <i>ACS Applied Energy Materials</i> , 2021 , 4, 6125-6134	6.1	4
100	Investigation on influence of thickness variation effect of TiO ₂ film, spacer and counter electrode for improved dye-sensitized solar cells performance. <i>Optik</i> , 2021 , 227, 166108	2.5	4
99	Effect of NaOH Concentration on the Formation of TiO ₂ Nanotube Arrays by Anodic Oxidation Process for Photoelectrochemical Cell. <i>Solid State Phenomena</i> , 2017 , 264, 152-155	0.4	3
98	Reversible change of diffraction efficiency in Cl-containing 3-glycidoxypropyl silsesquioxane films co-doped with Ag and Cu. <i>Journal of the Ceramic Society of Japan</i> , 2016 , 124, 150-154	1	3

97	Indentation-induced stress distribution and pressure effect on the resistivity of YSZ. <i>Solid State Ionics</i> , 2016 , 286, 96-101	3.3	3
96	Preparation of multilayered thin film fuel cell using titanium oxide as anodic catalyst via layer-by-layer assembly. <i>Solid State Ionics</i> , 2012 , 214, 62-66	3.3	3
95	Morphology-control of crystallites precipitated from ZnO gel films by applying electric field during hot-water treatment. <i>Materials Science in Semiconductor Processing</i> , 2013 , 16, 1232-1239	4.3	3
94	Formation of Zirconia and Titania Nanotubes in Fluorine Contained Glycerol Electrochemical Bath. <i>Defect and Diffusion Forum</i> , 2011 , 312-315, 76-81	0.7	3
93	Surface Modification of SiC Powder for Use in Electrophoretic Deposition. <i>Key Engineering Materials</i> , 2009 , 412, 287-290	0.4	3
92	Application of Protonic Acid-Doped Silica Gels to Electric Double-Layer Capacitors. <i>Journal of Sol-Gel Science and Technology</i> , 2000 , 19, 581-584	2.3	3
91	Thin films-preparation, structure and properties. Preparation of ZrO ₂ and ZrO ₂ -SiO ₂ coating films by the sol-gel method.. <i>Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal</i> , 1987 , 1987, 1952-1957		3
90	Formation of Organic Polymer-Containing Gel Films and Their Application to the Fine-Patterning Process. <i>Journal of the Ceramic Society of Japan</i> , 1988 , 96, 1127-1130		3
89	Formation of porous Al ₂ O ₃ /BiO ₂ composite ceramics by electrostatic assembly. <i>Journal of the Ceramic Society of Japan</i> , 2020 , 128, 605-610	1	3
88	Improved green body strength using PMMA/Al ₂ O ₃ composite particles fabricated via electrostatic assembly. <i>Nano Express</i> , 2020 , 1, 030001	2	3
87	Effect of annealing temperature on the performance of ZnO thin film-based dye sensitized solar cell 2020 ,		3
86	Formation of Fe-embedded graphitic carbon network composites as anode materials for rechargeable Fe-air batteries. <i>Energy Storage</i> , 2020 , 2, e196	2.8	3
85	Recent developments in materials design for all-solid-state LiS batteries. <i>Critical Reviews in Solid State and Materials Sciences</i> , 1-26	10.1	3
84	Cr(VI) removal on visible light active TiO ₂ nanotube arrays 2018 ,		3
83	Fast preparation of Li ₃ PS ₄ solid electrolyte using methyl propionate as synthesis medium. <i>Materials Today: Proceedings</i> , 2019 , 16, 216-219	1.4	2
82	Enhancement of interfacial property by novel solid ionomer CsHSO ₄ -H ₄ SiW ₁₂ O ₄₀ for the three-phase interface of a medium-temperature anhydrous fuel cell. <i>Materials Letters</i> , 2019 , 253, 201-204 ^{3,3}		2
81	Anhydrous proton conductive xCHS-(1-x)WSiA composites prepared via liquid-phase shaking. <i>Solid State Ionics</i> , 2019 , 337, 1-6	3.3	2
80	High-pressure (GPa) impedance measurements based on an indentation-induced local stress field. <i>Solid State Ionics</i> , 2014 , 254, 6-10	3.3	2

79	Titania-based functional nanocomposite materials fabricated by liquid processes. <i>Journal of the Ceramic Society of Japan</i> , 2015 , 123, 517-522	1	2
78	Spacer Thickness-Dependent Electron Transport Performance of Titanium Dioxide Thick Film for Dye-Sensitized Solar Cells. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-9	3.2	2
77	Formation of two-dimensional ZnO nanosheets by rapid thermal oxidation in oxygenated environment. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 2960-7	1.3	2
76	Low Temperature Fabrication of Titanium Oxide Composite Films by Hot-Water Treatment and Application for Dye-Sensitized Solar Cells. <i>Electrochemistry</i> , 2011 , 79, 817-820	1.2	2
75	Preparation and Characterization of Pd-Based Optical Hydrogen Sensor Operated at Room Temperature by Using Photodeposition Process. <i>Key Engineering Materials</i> , 2010 , 445, 100-104	0.4	2
74	Low Temperature Preparation and Optical Hydrogen Response of Pd/Titania Composite Film. <i>Key Engineering Materials</i> , 2011 , 485, 275-278	0.4	2
73	Fuel-free low-temperature self-combustion synthesis and characterization of praseodymium-substituted bismuth titanate ceramics. <i>Journal of the Ceramic Society of Japan</i> , 2012 , 120, 58-63	1	2
72	Effect of external fields applied during hot-water treatment on the aspect ratio of nanocrystallites formed on SiO ₂ /TiO ₂ coatings derived from sol-gel techniques. <i>Journal of Sol-Gel Science and Technology</i> , 2010 , 56, 345-352	2.3	2
71	Fabrication of Two-Dimensional Particle Aggregate under Mechanical Loading. <i>Journal of the Society of Powder Technology, Japan</i> , 2008 , 45, 168-172	0.3	2
70	Experimental study and simulation on the formation of two-dimensional particle arrangements. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008 , 148, 199-202	3.1	2
69	Alkali Passivation Mechanism of Sol-Gel Derived TiO ₂ -SiO ₂ Films Coated on Soda-Lime-Silica Glass Substrates. <i>Journal of the Ceramic Society of Japan</i> , 1992 , 100, 1094-1097		2
68	Graphite/Li7P3S11 composite prepared by seed process for all-solid-state batteries. <i>Solid State Ionics</i> , 2021 , 372, 115789	3.3	2
67	Structural and optical properties of chromium-doped hematite (Fe ₂ O ₃) nanoparticles. <i>Optik</i> , 2021 , 231, 166372	2.5	2
66	Effect of KOH added to ethylene glycol electrolyte on the self-organization of anodic ZrO ₂ nanotubes 2016 ,		2
65	Effects of cesium-substituted silicotungstic acid doped with polybenzimidazole membrane for the application of medium temperature polymer electrolyte fuel cells. <i>E3S Web of Conferences</i> , 2019 , 83, 01008	0.5	2
64	Tailoring Parameters to Produce Nanowires on Metal Surface via Surface Oxidation Process. <i>Journal of Physics: Conference Series</i> , 2018 , 1082, 012052	0.3	2
63	Sensors and biosensors nanocomposites based on polymer/inorganic nanostructures 2021 , 709-731		2
62	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	7.8	2

61	Solution Processing via Dynamic Sulfide Radical Anions for Sulfide Solid Electrolytes. <i>Advanced Energy and Sustainability Research</i> , 2200019	1.6	2
60	Effect of CdSe thickness deposited by electrophoretic deposition for quantum-dot-sensitized solar cell. <i>Materials Today: Proceedings</i> , 2019, 16, 196-200	1.4	1
59	Nucleation and growth controlled reduced graphene oxide supported palladium electrocatalysts for methanol oxidation reaction. <i>Nanomaterials and Nanotechnology</i> , 2019, 9, 184798041982717	2.9	1
58	Electrophoretic Sol-Gel Deposition 2018, 505-530		1
57	Iron Composite Anodes for Fabricating All-Solid-State Iron-Air Rechargeable Batteries. <i>Key Engineering Materials</i> , 2014, 616, 114-119	0.4	1
56	Preparation of Layered Double Hydroxide and its Graphene Composite Films as Electrodes for Photoelectrochemical Cells. <i>Key Engineering Materials</i> , 2014, 616, 129-133	0.4	1
55	Development of multilayer coating system based on electrophoretic deposition process. <i>Journal of the Ceramic Society of Japan</i> , 2017, 125, 317-321	1	1
54	Formation of Aligned Iron Oxide Nanopores as Cr Adsorbent Material. <i>Advanced Materials Research</i> , 2015, 1087, 460-464	0.5	1
53	A Wettability Tunable Surface of Nafion [®] with Controlling the Flip-Flop Property by DC Applied Voltage. <i>Key Engineering Materials</i> , 2014, 616, 77-81	0.4	1
52	Effect of Applied Voltage on the Formation of Self-Organized Iron Oxide Nanoporous Film in Organic Electrolyte via Anodic Oxidation Process and their Photocurrent Performance. <i>Advanced Materials Research</i> , 2014, 1024, 99-103	0.5	1
51	Influence of Catalyst Loading Method on Titania-Based Optical Hydrogen Gas Sensing Properties. <i>Key Engineering Materials</i> , 2013, 582, 210-213	0.4	1
50	Low-Temperature Processing and Optical Hydrogen Gas Sensing Property of Pd-Loaded Titania Coating onto Flexible Plastic Substrate. <i>Key Engineering Materials</i> , 2013, 566, 249-252	0.4	1
49	Electrophoretic Deposition and Photocatalytic Activity of Titanate Nanosheets. <i>Key Engineering Materials</i> , 2009, 412, 59-64	0.4	1
48	Fabrication of three-dimensionally close-packed aggregate of particles under mechanical vibration. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009, 161, 193-197	3.1	1
47	Formation of photocatalytic novel oxide crystallites with Al:Ti = 1:1 in Al ₂ O ₃ -TiO ₂ gels by mechanochemical treatment. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 342-9	1.3	1
46	Characterization of ramiform precipitates formed on SiO ₂ /TiO ₂ gel coatings by electric field hot water treatment. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 1263-1266	3.9	1
45	Periodic alignment of sol-gel derived, monodisperse phenylsilsesquioxane particles on a pregrooved substrate. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 1318-1321	3.9	1
44	Titania Nanocrystals-Dispersed Coatings from SiO ₂ -TiO ₂ Gel Films through Hydrolysis and Dissolution. <i>Key Engineering Materials</i> , 2006, 317-318, 565-568	0.4	1

43	Synthesis of Monodispersed Inorganic-Organic Hybrid Particles from Phenyltriethoxysilane. <i>Key Engineering Materials</i> , 2006 , 317-318, 677-682	0.4	1
42	Photoredox behavior of methylviologen doped in silica gel matrices. <i>Journal of Materials Chemistry</i> , 2000 , 10, 2765-2768		1
41	Influences of Preparation Conditions of Sols on Hardening Behaviors of Silica Gel Films for Micro-Patterning.. <i>Journal of the Ceramic Society of Japan</i> , 2000 , 108, 604-606		1
40	Formation of Dense and High-Aspect-Ratio Iron Oxide Nanowires by Water Vapor-Assisted Thermal Oxidation and Their Cr(VI) Adsorption Properties. <i>ACS Omega</i> , 2021 , 6, 28203-28214	3.9	1
39	Preparation of Li ₃ PS ₄ /Li ₃ PO ₄ Solid Electrolytes by Liquid-Phase Shaking for All-Solid-State Batteries. <i>Electronic Materials</i> , 2021 , 2, 39-48	0.8	1
38	Electrostatically assembled SiC/Al ₂ O ₃ composite particles for direct selective laser sintering. <i>Advanced Powder Technology</i> , 2021 , 32, 2074-2084	4.6	1
37	Structural, Thermal and Electrochemical studies of Sm substituted CrFeO ₃ Nano-Pervoskites. <i>Journal of Alloys and Compounds</i> , 2021 , 870, 159420	5.7	1
36	Formation of TiO ₂ nanotube arrays by anodic oxidation in LiOH added ethylene glycol electrolyte and the effect of thermal annealing on the photoelectrochemical properties 2016 ,		1
35	Current progress in the development of Fe-air batteries and their prospects for next-generation batteries 2021 , 59-83		1
34	Hierarchical Porous Fe ₂ O ₃ Formation by Thermal Oxidation of Iron as Catalyst for Cr(VI) Reduction. <i>Journal of Physics: Conference Series</i> , 2018 , 1082, 012044	0.3	1
33	Mechanical Properties of Sulfide-Type Solid Electrolytes Analyzed by Indentation Methods. <i>ACS Applied Energy Materials</i> , 2022 , 5, 2349-2355	6.1	1
32	Li ₇ P ₂ S ₈ I solid electrolytes synthesized by liquid-phase synthesis with improved heat treatment process. <i>Journal of the Ceramic Society of Japan</i> , 2022 , 130, 299-302	1	1
31	One step synthesis Pd/NiO@rGO/CNTs nanocomposite for energy storage as supercapacitor application. <i>Journal of Physics: Conference Series</i> , 2020 , 1461, 012109	0.3	0
30	Oxide nanotubes formation by anodic process and their application in photochemical reactions for heavy metal removal 2020 , 277-303		0
29	Metal oxide for heavy metal detection and removal 2020 , 299-332		0
28	Effect of mixed alkali metal ions in highly proton conductive K/Cs-hydrogen sulfate-phosphotungstic acid composites prepared by mechanical milling. <i>Solid State Ionics</i> , 2019 , 340, 115022	3.3	0
27	Functionalities and modification of sol-gel derived SiO ₂ /TiO ₂ systems for advanced coatings and powders. <i>Journal of the Ceramic Society of Japan</i> , 2022 , 130, 143-162	1	0
26	Anodized TiO ₂ nanotubes using Ti wire in fluorinated ethylene glycol with air bubbles for removal of methylene blue dye. <i>Journal of Applied Electrochemistry</i> , 1	2.6	0

25	Carbon dots conjugated nanocomposite for the enhanced electrochemical performance of supercapacitor electrodes.. <i>RSC Advances</i> , 2021 , 11, 39636-39645	3.7	○
24	Sol-Gel Nano-/Micropatterning Process 2018 , 2177-2203		○
23	Development of liquid-phase fabrication of nanotube array-based multiferroic nanocomposite film. <i>Journal of Alloys and Compounds</i> , 2021 , 869, 159219	5.7	○
22	Synthesis of TiO ₂ Nanotubes Decorated with Ag Nanoparticles (TNTs/AgNPs) For Visible Light Degradation of Methylene Blue. <i>Journal of Physics: Conference Series</i> , 2018 , 1082, 012105	0.3	○
21	Transparent conductive polymer composites obtained via electrostatically assembled carbon nanotubes/poly (methyl methacrylate) composite particles. <i>Advanced Powder Technology</i> , 2022 , 33, 103528	4.6	○
20	Anodic ZrO ₂ Nanotube Arrays Formation by Anodisation in Ethylene Glycol with Varying Amount of Water. <i>Solid State Phenomena</i> , 2017 , 264, 224-227	0.4	
19	In-Situ Formation of Li ₃ PS ₄ from liquid phase on Li metal as key material for Li dendrite suppression: a short review. <i>Materials Today: Proceedings</i> , 2019 , 16, 36-41	1.4	
18	Surface Modification of Complex Oxide Powder with Polyelectrolyte Layers Improving EPD Characteristics. <i>Key Engineering Materials</i> , 2015 , 654, 255-260	0.4	
17	Sintering Effect on Magnetite-to-Hematite Structural Conversion of As-Prepared Fe ₂ +Cr _{0.2} Fe _{1.8} O ₄ Nano-Ferrites. <i>Key Engineering Materials</i> , 2018 , 765, 24-29	0.4	
16	Electrolyte Influence on the Morphologies of Anodic ZrO ₂ Nanotube Arrays Formed by Anodization. <i>Advanced Materials Research</i> , 2014 , 1024, 104-107	0.5	
15	?????????????????. <i>Electrochemistry</i> , 2011 , 79, 620-625	1.2	
14	Estimation of interfacial proton conductivity by effective media approximation for sheet-like composite electrolyte prepared from poly(2-acrylamido-2-methyl-1-propanesulfonic acid)-deposited core-shell particles. <i>Journal of the Ceramic Society of Japan</i> , 2011 , 119, 845-849	1	
13	Formation of CuAlO ₂ Film by Ultrasonic Spray Pyrolysis. <i>IOP Conference Series: Materials Science and Engineering</i> , 2011 , 18, 082022	0.4	
12	Preparation of Nano .ALPHA.-Alumina Powder by Use of High Energy Ball Milling Process. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2007 , 54, 839-842	0.2	
11	Preparation of Sol-Gel Derived Inorganic - Organic Hybrid Particles and Their Periodic Arrangement. <i>Hosokawa Powder Technology Foundation ANNUAL REPORT</i> , 2005 , 13, 93-100		○
10	A-13 SOFT COMBUSTION SYNTHESIS OF NANOCRYSTALS SEMI-CONDUCTING TETRAGONAL ZIRCONIA POWDER(Session: Ceramics III). <i>The Proceedings of the Asian Symposium on Materials and Processing</i> , 2006 , 2006, 13		
9	Liquid Phase Synthesis and Morphological Observation of BaTiO ₃ /CoFe ₂ O ₄ Nanocomposite Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 510-515	1.3	
8	Sol-Gel Nano-/Micropatterning Process 2016 , 1-28		

7 Electrophoretic Sol-Gel Deposition **2016**, 1-26

6 Numerical Analysis for the Deformation Processes and Mechanisms of Grain Aggregates in Discrete Element Method. *Zairyo/Journal of the Society of Materials Science, Japan*, **2010**, 59, 434-438 0.1

5 Photoelectrochemical Cells: Dye-Sensitized Solar Cells **2018**, 385-423

4 An Electrospun Nanofibrous Sensor Based on a Porous (Cr/Zn) Slats Oxide for Voltammetric Detection of Ezetimibe Drug in Real Samples. *Electroanalysis*, **2021**, 33, 2128 3

3 Suspension Process **2021**, 67-75

2 LiSiO Doped-LiPSI solid electrolytes with high lithium stability synthesised using liquid-phase shaking.. *RSC Advances*, **2022**, 12, 7469-7474 3.7

1 Photoreduction of Cr(VI) in wastewater by anodic nanoporous NbO formed at high anodizing voltage and electrolyte temperature.. *Environmental Science and Pollution Research*, **2022**, 1 5.1