

Atsunori Matsuda

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

366
papers

6,413
citations

38
h-index

63
g-index

385
ext. papers

7,844
ext. citations

4
avg, IF

6.29
L-index

#	Paper	IF	Citations
366	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
365	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
364	LiSiO Doped-LiPSI solid electrolytes with high lithium stability synthesised using liquid-phase shaking.. <i>RSC Advances</i> , 2022 , 12, 7469-7474	3.7	
363	Mechanical Properties of Sulfide-Type Solid Electrolytes Analyzed by Indentation Methods. <i>ACS Applied Energy Materials</i> , 2022 , 5, 2349-2355	6.1	1
362	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	0
361	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
360	An overview of recent progress in nanostructured carbon-based supercapacitor electrodes: From zero to bi-dimensional materials. <i>Carbon</i> , 2022 , 193, 298-338	10.4	15
359	Photoreduction of Cr(VI) in wastewater by anodic nanoporous NbO formed at high anodizing voltage and electrolyte temperature.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	
358	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
357	Carbon dots conjugated nanocomposite for the enhanced electrochemical performance of supercapacitor electrodes.. <i>RSC Advances</i> , 2021 , 11, 39636-39645	3.7	0
356	Recent advances in waste-recycled nanomaterials for biomedical applications: Waste-to-wealth. <i>Nanotechnology Reviews</i> , 2021 , 10, 1662-1739	6.3	12
355	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
354	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
353	Graphite/Li ₇ P ₃ S ₁₁ composite prepared by seed process for all-solid-state batteries. <i>Solid State Ionics</i> , 2021 , 372, 115789	3.3	2
352	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
351	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
350	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

349	Structural and optical properties of chromium-doped hematite (Fe_2O_3) nanoparticles. <i>Optik</i> , 2021 , 231, 166372	2.5	2
348	A review on plasmonic nanoparticle-semiconductor photocatalysts for water splitting. <i>Journal of Cleaner Production</i> , 2021 , 294, 126200	10.3	18
347	Effects of Substituting S with Cl on the Structural and Electrochemical Characteristics of Na_3SbS_4 Solid Electrolytes. <i>ACS Applied Energy Materials</i> , 2021 , 4, 6125-6134	6.1	4
346	Electrostatically assembled $\text{SiC}/\text{Al}_2\text{O}_3$ composite particles for direct selective laser sintering. <i>Advanced Powder Technology</i> , 2021 , 32, 2074-2084	4.6	1
345	Recent progress on carbon-based composite materials for microwave electromagnetic interference shielding. <i>Carbon</i> , 2021 , 177, 304-331	10.4	62
344	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
343	Development of liquid-phase fabrication of nanotube array-based multiferroic nanocomposite film. <i>Journal of Alloys and Compounds</i> , 2021 , 869, 159219	5.7	0
342	Nanocomposite matrix conjugated with carbon nanomaterials for photocatalytic wastewater treatment. <i>Journal of Hazardous Materials</i> , 2021 , 410, 124657	12.8	22
341	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
340	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
339	Current progress in the development of Fe-air batteries and their prospects for next-generation batteries 2021 , 59-83		1
338	Nanomaterial Fabrication through the Modification of Sol-Gel Derived Coatings. <i>Nanomaterials</i> , 2021 , 11,	5.4	15
337	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
336	High Ionic Conductivity of Liquid-Phase-Synthesized Li_3PS_4 Solid Electrolyte, Comparable to That Obtained via Ball Milling. <i>ACS Applied Energy Materials</i> , 2021 , 4, 2275-2281	6.1	14
335	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	7.8	35
334	An Electrospun Nanofibrous Sensor Based on a Porous (Cr/Zn) Slat's Oxide for Voltammetric Detection of Ezetimibe Drug in Real Samples. <i>Electroanalysis</i> , 2021 , 33, 2128	3	
333	Influence of Ce Substitution on Antimicrobial and Antibiofilm Properties of ZnCeFeO Nanoparticles ($X = 0.0, 0.02, 0.04, 0.06, \text{ and } 0.08$) Conjugated with Ebselen and Its Role Subsided with β Radiation in Mitigating Human TNBC and Colorectal Adenocarcinoma Proliferation In Vitro. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	8
332	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

331	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
330	Sensors and biosensors nanocomposites based on polymer/inorganic nanostructures 2021 , 709-731		2
329	Suspension Process 2021 , 67-75		
328	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
327	Heteroatom doped graphene engineering for energy storage and conversion. <i>Materials Today</i> , 2020 , 39, 47-65	21.8	214
326	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
325	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
324	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
323	Oxide nanotubes formation by anodic process and their application in photochemical reactions for heavy metal removal 2020 , 277-303		0
322	Metal oxide for heavy metal detection and removal 2020 , 299-332		0
321	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
320	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
319	Sulfur/Carbon Nano Fiber Composite Solid Electrolyte for All-Solid-State LiS Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 1569-1573	6.1	14
318	Preparation and Characterization of Stable and Active Core/Shell Nanoparticles as Electrocatalyst for Application in PEMFCs. <i>ACS Applied Energy Materials</i> , 2020 , 3, 3269-3281	6.1	7
317	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
316	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
315	Design of Heat-Conductive hBN-PMMA Composites by Electrostatic Nano-Assembly. <i>Nanomaterials</i> , 2020 , 10,	5.4	9
314	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	

313	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
312	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
311	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
310	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
309	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
308	Incorporation of titanium pyrophosphate in polybenzimidazole membrane for medium temperature dry PEFC application. <i>Solid State Ionics</i> , 2020 , 344, 115140	3.3	5
307	Liquid-phase synthesis of 100Li ₃ PS ₄ -50Li _{1-x} Li ₃ PO ₄ solid electrolytes. <i>Solid State Ionics</i> , 2020 , 345, 115184	3.3	8
306	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
305	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
304	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
303	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
302	Carbon-dot-loaded CoNiFeO; 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
301	One-pot synthesis of reduced graphene oxide nanosheets anchored ZnO nanoparticles via microwave approach for electrochemical performance as supercapacitor electrode. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 15456-15465	2.1	14
300	Fe ₃ O ₄ -embedded rGO composites as anode for rechargeable FeO _x -air batteries. <i>Materials Today Communications</i> , 2020 , 25, 101540	2.5	9
299	Effect of annealing temperature on the performance of ZnO thin film-based dye sensitized solar cell 2020 ,		3
298	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
297	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
296	Controlled microstructure and mechanical properties of AlO-based nanocarbon composites fabricated by electrostatic assembly method. <i>Nanoscale Research Letters</i> , 2019 , 14, 245	5	9

295	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
294	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
293	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	
292	Nitrogen/Sulfur Co-Doped Reduced Graphene Oxide-Nickel Oxide Nanoparticle Composites for Electromagnetic Interference Shielding. <i>ACS Applied Nano Materials</i> , 2019 , 2, 4626-4636	5.6	38
291	PMMA-ITO Composite Formation via Electrostatic Assembly Method for Infra-Red Filtering. <i>Nanomaterials</i> , 2019 , 9,	5.4	14
290	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		2
289	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
288	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
287	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
286	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
285	Multiphase Na ₃ SbS ₄ with high ionic conductivity. <i>Materials Today Energy</i> , 2019 , 13, 45-49	7	6
284	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
283	Mechanisms of removal of heavy metal ions by ZnO particles. <i>Heliyon</i> , 2019 , 5, e01440	3.6	75
282	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
281	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
280	Preparation of Li ₇ P ₂ S ₈ 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	2.9	23
279	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
278	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

277	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
276	Nanotube array-based barium titanate/cobalt ferrite composite film for affordable magnetoelectric multiferroics. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 10066-10072	7.1	12
275	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
274	Micro- and Nano-assembly of Composite Particles by Electrostatic Adsorption. <i>Nanoscale Research Letters</i> , 2019 , 14, 297	5	15
273	Liquid-phase syntheses of sulfide electrolytes for all-solid-state lithium battery. <i>Nature Reviews Chemistry</i> , 2019 , 3, 189-198	34.6	138
272	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
271	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
270	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
269	Synthesis of Plasmonic Photocatalysts for Water Splitting. <i>Catalysts</i> , 2019 , 9, 982	4	16
268	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
267	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
266	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
265	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
264	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
263	Electrophoretic Sol-Gel Deposition 2018 , 505-530		1
262	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	
261	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
260	Sunlight activated anodic freestanding ZrO nanotube arrays for Cr(VI) photoreduction. <i>Nanotechnology</i> , 2018 , 29, 375701	3.4	15

259	Sol-Gel Nano-/Micropatterning Process 2018 , 2177-2203		0
258	Hierarchical Porous γ -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
257	Photoelectrochemical Cells: Dye-Sensitized Solar Cells 2018 , 385-423		
256	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
255	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
254	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
253	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	0
252	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
251	Sol-gel template synthesis of BaTiO ₃ films with nano-periodic structures. <i>Materials Letters</i> , 2018 , 227, 120-123	3.3	7
250	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
249	Cr(VI) removal on visible light active TiO ₂ nanotube arrays 2018 ,		3
248	Ag nanoparticle-filled TiO nanotube arrays prepared by anodization and electrophoretic deposition for dye-sensitized solar cells. <i>Nanotechnology</i> , 2017 , 28, 135207	3.4	20
247	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
246	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
245	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
244	Effect of Synthesis Methods on Methanol Oxidation Reaction on Reduced Graphene Oxide Supported Palladium Electrocatalysts. <i>Procedia Engineering</i> , 2017 , 184, 587-594		13
243	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
242	Development of Iron-Based Rechargeable Batteries with Sintered Porous Iron Electrodes. <i>ECS Transactions</i> , 2017 , 75, 111-116	1	5

241	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
240	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
239	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	
238	One-pot liquid phase synthesis of (100%)Li ₃ PS ₄ LiI solid electrolytes. <i>Journal of Power Sources</i> , 2017 , 365, 7-11	8.9	26
237	Fast synthesis of Li ₂ S-P ₂ S ₅ LiI solid electrolyte precursors. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 1660-1668		25
236	Systematic characterization of the effect of Ag@TiO nanoparticles on the performance of plasmonic dye-sensitized solar cells. <i>Scientific Reports</i> , 2017 , 7, 15690	4.9	38
235	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
234	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
233	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
232	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
231	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
230	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
229	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
228	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 Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2016 , 63, 976-980	0.2	13
227	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
226	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
225	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
224	Indentation-induced stress distribution and pressure effect on the resistivity of YSZ. <i>Solid State Ionics</i> , 2016 , 286, 96-101	3.3	3

223	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
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