

Susumu Kuwabata

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332
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96
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352
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13,161
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
332	New frontiers in materials science opened by ionic liquids. <i>Advanced Materials</i> , 2010 , 22, 1196-221	24	718
331	Sputter deposition onto ionic liquids: Simple and clean synthesis of highly dispersed ultrafine metal nanoparticles. <i>Applied Physics Letters</i> , 2006 , 89, 243117	3.4	326
330	Ligand-free platinum nanoparticles encapsulated in a hollow porous carbon shell as a highly active heterogeneous hydrogenation catalyst. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7063-6	16.4	309
329	Facile synthesis of ZnS-AgInS ₂ solid solution nanoparticles for a color-adjustable luminophore. <i>Journal of the American Chemical Society</i> , 2007 , 129, 12388-9	16.4	295
328	Single-wall carbon nanotubes supported platinum nanoparticles with improved electrocatalytic activity for oxygen reduction reaction. <i>Langmuir</i> , 2006 , 22, 2392-6	4	272
327	Effects of Adsorbents Used as Supports for Titanium Dioxide Loading on Photocatalytic Degradation of Propylamide. <i>Environmental Science & Technology</i> , 1996 , 30, 1275-1281	10.3	253
326	Effect of Inert Supports for Titanium Dioxide Loading on Enhancement of Photodecomposition Rate of Gaseous Propionaldehyde. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 9986-9991		252
325	Nanoparticle-Stabilized Cholesteric Blue Phases. <i>Applied Physics Express</i> , 2009 , 2, 121501	2.4	196
324	Template Synthesis of Polypyrrole-Coated Spinel LiMn ₂ O ₄ Nanotubules and Their Properties as Cathode Active Materials for Lithium Batteries. <i>Journal of the Electrochemical Society</i> , 1997 , 144, 1923-1927	1.7	180
323	In situ SEM study of a lithium deposition and dissolution mechanism in a bulk-type solid-state cell with a Li ₂ S-P ₂ S ₅ solid electrolyte. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 18600-6	3.6	176
322	Single-step synthesis of gold-silver alloy nanoparticles in ionic liquids by a sputter deposition technique. <i>Chemical Communications</i> , 2008 , 691-3	5.8	174
321	Enhancement of light-energy conversion efficiency by multi-porphyrin arrays of porphyrin-peptide oligomers with fullerene clusters. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 19-23	3.4	168
320	Highly dispersed Pt catalysts on single-walled carbon nanotubes and their role in methanol oxidation. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 16185-8	3.4	157
319	Observation of Ionic Liquid by Scanning Electron Microscope. <i>Chemistry Letters</i> , 2006 , 35, 600-601	1.7	149
318	CdS Quantum Dots Sensitized TiO ₂ Sandwich Type Photoelectrochemical Solar Cells. <i>Chemistry Letters</i> , 2007 , 36, 88-89	1.7	140
317	Room-Temperature Ionic Liquid. A New Medium for Material Production and Analyses under Vacuum Conditions. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 3177-3188	6.4	136
316	Remarkable photoluminescence enhancement of ZnS-AgInS ₂ solid solution nanoparticles by post-synthesis treatment. <i>Chemical Communications</i> , 2010 , 46, 2082-4	5.8	136

315	Preparation and photoelectrochemical properties of densely immobilized Cu ₂ ZnSnS ₄ nanoparticle films. <i>Journal of Materials Chemistry</i> , 2010 , 20, 5319		132
314	Fabrication of CdS Nanoparticle Chains along DNA Double Strands. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 8799-8803	3.4	124
313	Charge/discharge properties of composites of LiMn ₂ O ₄ and polypyrrole as positive electrode materials for 4 V class of rechargeable Li batteries. <i>Electrochimica Acta</i> , 1999 , 44, 4593-4600	6.7	117
312	Tunable photoluminescence from the visible to near-infrared wavelength region of non-stoichiometric AgInS ₂ nanoparticles. <i>Journal of Materials Chemistry</i> , 2012 , 22, 12851		116
311	Electrochemical conversion of carbon dioxide to methanol with the assistance of formate dehydrogenase and methanol dehydrogenase as biocatalysts. <i>Journal of the American Chemical Society</i> , 1994 , 116, 5437-5443	16.4	109
310	Development of new techniques for scanning electron microscope observation using ionic liquid. <i>Electrochimica Acta</i> , 2008 , 53, 6228-6234	6.7	108
309	Copolymerization of Pyrrole and Thiophene by Electrochemical Oxidation and Electrochemical Behavior of the Resulting Copolymers. <i>Journal of the Electrochemical Society</i> , 1988 , 135, 1691-1695	3.9	107
308	Charge-discharge Characteristics of Polypyrrole Films Containing Incorporated Anthraquinone-1-Sulfonate. <i>Journal of the Electrochemical Society</i> , 1992 , 139, 28-32	3.9	104
307	Photofunctional Materials Fabricated with Chalcopyrite-Type Semiconductor Nanoparticles Composed of AgInS ₂ and Its Solid Solutions. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 336-47	6.4	100
306	Characterization of Ultrasmall CdS Nanoparticles Prepared by the Size-Selective Photoetching Technique. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 6838-6845	3.4	98
305	Controlling the Electronic Energy Structure of ZnS/AgInS ₂ Solid Solution Nanocrystals for Photoluminescence and Photocatalytic Hydrogen Evolution. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 24740-24749	3.8	97
304	Electrochemical synthesis and superconducting phase diagram of CuxBi ₂ Se ₃ . <i>Physical Review B</i> , 2011 , 84,	3.3	97
303	Electrochemical Synthesis of Composite Films of Manganese Dioxide and Polypyrrole and Their Properties as an Active Material in Lithium Secondary Batteries. <i>Journal of the Electrochemical Society</i> , 1994 , 141, 10-15	3.9	96
302	Chemical Preparation of Manganese Dioxide/Polypyrrole Composites and Their Use as Cathode Active Materials for Rechargeable Lithium Batteries. <i>Journal of the Electrochemical Society</i> , 1995 , 142, 4190-4195	3.9	91
301	Basolateral Mg ²⁺ extrusion via CNNM4 mediates transcellular Mg ²⁺ transport across epithelia: a mouse model. <i>PLoS Genetics</i> , 2013 , 9, e1003983	6	87
300	Underpotential Deposition of Silver onto Gold Substrates Covered with Self-Assembled Monolayers of Alkanethiols To Induce Intervention of the Silver between the Monolayer and the Gold Substrate. <i>Langmuir</i> , 1998 , 14, 3298-3302	4	87
299	Performance improvement of CdS quantum dots sensitized TiO ₂ solar cells by introducing a dense TiO ₂ blocking layer. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 102002	3	86
298	Photochemical Reduction of Carbon Dioxide to Methanol Using ZnS Microcrystallite as a Photocatalyst in the Presence of Methanol Dehydrogenase. <i>Journal of the Electrochemical Society</i> , 1994 , 141, 1498-1503	3.9	82

- 297 Small-Angle X-ray Scattering Study of Au Nanoparticles Dispersed in the Ionic Liquids 1-Alkyl-3-methylimidazolium Tetrafluoroborate. *Journal of Physical Chemistry C*, **2009**, 113, 3917-3922 3.8 78
- 296 Evaluation of Diffusibility of Adsorbed Propionaldehyde on Titanium Dioxide-Loaded Adsorbent Photocatalyst Films from Its Photodecomposition Rate. *Journal of Physical Chemistry B*, **1997**, 101, 2644-2649 3.4 75
- 295 Gas sensitivities of electropolymerized polythiophene films. *Synthetic Metals*, **1989**, 30, 173-181 3.6 75
- 294 Underpotential deposition behavior of metals onto gold electrodes coated with self-assembled monolayers of alkanethiols. *Journal of Electroanalytical Chemistry*, **1999**, 473, 59-67 4.1 74
- 293 Redox Behavior and Electrochromic Properties of Polypyrrole Films in Aqueous Solutions. *Bulletin of the Chemical Society of Japan*, **1984**, 57, 2247-2253 5.1 74
- 292 Electrochemical oxidation of reduced nicotinamide coenzymes at Au electrodes modified with phenothiazine derivative monolayers. *Journal of Electroanalytical Chemistry*, **1997**, 422, 45-54 4.1 73
- 291 Investigation of the gas-transport properties of polyaniline. *Journal of Membrane Science*, **1994**, 91, 1-12 9.6 70
- 290 Formation of Au nanoparticles in an ionic liquid by electron beam irradiation. *Chemical Communications*, **2009**, 1775-7 5.8 68
- 289 Electrochemical oxidation of cholesterol catalyzed by cholesterol oxidase with use of an artificial electron mediator. *Analytical Chemistry*, **1997**, 69, 2367-72 7.8 68
- 288 Nanoparticle-dispersed liquid crystals fabricated by sputter doping. *Advanced Materials*, **2010**, 22, 622-624 6.4 67
- 287 Self-assembly of ionic liquid (BMI-PF6)-stabilized gold nanoparticles on a silicon surface: chemical and structural aspects. *Langmuir*, **2008**, 24, 7785-92 4 67
- 286 SEM observation of wet biological specimens pretreated with room-temperature ionic liquid. *ChemBioChem*, **2011**, 12, 2547-50 3.8 66
- 285 Preparation of Luminescent AgInS₂/AgGaS₂ Solid Solution Nanoparticles and Their Optical Properties. *Journal of Physical Chemistry Letters*, **2010**, 1, 3283-3287 6.4 65
- 284 Amperometric determination of total cholesterol at gold electrodes covalently modified with cholesterol oxidase and cholesterol esterase with use of thionin as an electron mediator. *Analytical Chemistry*, **1999**, 71, 1068-76 7.8 64
- 283 Effects of electrolytes on the photoelectrochemical reduction of carbon dioxide at illuminated p-type cadmium telluride and p-type indium phosphide electrodes in aqueous solutions. *Journal of Electroanalytical Chemistry and Interfacial Electrochemistry*, **1988**, 249, 143-153 6.3 63
- 282 Development of in situ electrochemical scanning electron microscopy with ionic liquids as electrolytes. *ChemPhysChem*, **2008**, 9, 763-7 3.2 61
- 281 Development of in situ scanning electron microscope system for real time observation of metal deposition from ionic liquid. *Electrochemistry Communications*, **2008**, 10, 1901-1904 5.1 61
- 280 A biomimetic phospholipid/alkanethiolate bilayer immobilizing uricase and an electron mediator on an Au electrode for amperometric determination of uric acid. *Analytical Chemistry*, **1999**, 71, 4278-83 7.8 61

279	Design, synthesis, and electrochemistry of room-temperature ionic liquids functionalized with propylene carbonate. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 1310-3	16.4	60
278	Electrochemical Behaviors of Polypyrrole, Poly-3-methylthiophene, and Polyaniline Deposited on Nafion-Coated Electrodes. <i>Journal of the Electrochemical Society</i> , 1988 , 135, 1132-1137	3.9	60
277	Charge/discharge properties of chemically prepared composites of V ₂ O ₅ and polypyrrole as positive electrode materials in rechargeable Li batteries. <i>Electrochimica Acta</i> , 2000 , 46, 91-97	6.7	59
276	EQCM studies on polypyrrole in aqueous solutions. <i>Journal of Electroanalytical Chemistry</i> , 1997 , 420, 219-225	4.1	58
275	Voltammetric Characterization of Oxide Films Formed on Copper in Air. <i>Journal of the Electrochemical Society</i> , 2001 , 148, B467	3.9	58
274	Gas sensitivity of polypyrrole films to NO ₂ . <i>Journal of the Chemical Society Faraday Transactions I</i> , 1988 , 84, 1587		57
273	Gold nanoparticles prepared with a room-temperature ionic liquid-radiation irradiation method. <i>Chemical Communications</i> , 2009 , 6792-4	5.8	56
272	Preparation and Amperometric Glucose Sensitivity of Covalently Bound Glucose Oxidase to (2-Aminoethyl)ferrocene on an Au Electrode. <i>Analytical Chemistry</i> , 1995 , 67, 1684-1690	7.8	56
271	Compositional control of AuPt nanoparticles synthesized in ionic liquids by the sputter deposition technique. <i>CrystEngComm</i> , 2012 , 14, 4922	3.3	55
270	Ionic liquid enables simple and rapid sample preparation of human culturing cells for scanning electron microscope analysis. <i>Microscopy Research and Technique</i> , 2011 , 74, 415-20	2.8	55
269	Nanosize-Controlled Syntheses of Indium Metal Particles and Hollow Indium Oxide Particles via the Sputter Deposition Technique in Ionic Liquids. <i>Chemistry of Materials</i> , 2010 , 22, 5209-5215	9.6	54
268	Charge Recombination Kinetics at an in Situ Chemical Bath-Deposited CdS/Nanocrystalline TiO ₂ Interface. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 6852-6858	3.8	54
267	Oxygen reduction catalytic ability of platinum nanoparticles prepared by room-temperature ionic liquid-sputtering method. <i>Journal of Power Sources</i> , 2010 , 195, 5980-5985	8.9	54
266	Platinum nanoparticle immobilization onto carbon nanotubes using Pt-sputtered room-temperature ionic liquid. <i>RSC Advances</i> , 2012 , 2, 8262	3.7	53
265	In situ Scanning Electron Microscopy of Silicon Anode Reactions in Lithium-Ion Batteries during Charge/Discharge Processes. <i>Scientific Reports</i> , 2016 , 6, 36153	4.9	52
264	Size control and immobilization of gold nanoparticles stabilized in an ionic liquid on glass substrates for plasmonic applications. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 1804-11	3.6	52
263	Controlling surface reactions of CdS nanocrystals: photoluminescence activation, photoetching and photostability under light irradiation. <i>Nanotechnology</i> , 2007 , 18, 465702	3.4	52
262	Uricase-catalyzed oxidation of uric acid using an artificial electron acceptor and fabrication of amperometric uric acid sensors with use of a redox ladder polymer. <i>Analytical Chemistry</i> , 1999 , 71, 1928-34	7.8	52

261	Atomic resolution imaging of gold nanoparticle generation and growth in ionic liquids. <i>Journal of the American Chemical Society</i> , 2014 , 136, 13789-97	16.4	49
260	Plasmon-Enhanced Photoluminescence and Photocatalytic Activities of Visible-Light-Responsive ZnS-AgInS ₂ Solid Solution Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 2511-2520	3.8	49
259	Electrochemistry of Copper(I) Oxide in the 66.7/33.3 mol % Urea/Choline Chloride Room-Temperature Eutectic Melt. <i>Journal of the Electrochemical Society</i> , 2010 , 157, F96	3.9	49
258	Composition-dependent electrocatalytic activity of AuPd alloy nanoparticles prepared via simultaneous sputter deposition into an ionic liquid. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 7286-7294	3.6	47
257	Voltammetric Response Accompanied by Inclusion of Ion Pairs and Triple Ion Formation of Electrodes Coated with an Electroactive Monolayer Film. <i>Analytical Chemistry</i> , 1997 , 69, 1045-1053	7.8	47
256	Charge-Discharge Properties of Composite Films of Polyaniline and Crystalline V ₂ O ₅ Particles. <i>Journal of the Electrochemical Society</i> , 1998 , 145, 2707-2710	3.9	47
255	Narrow band-edge photoluminescence from AgInS ₂ semiconductor nanoparticles by the formation of amorphous III/VI semiconductor shells. <i>NPG Asia Materials</i> , 2018 , 10, 713-726	10.3	46
254	Asymmetric Electroreduction of Ketone and Aldehyde Derivatives to the Corresponding Alcohols Using Alcohol Dehydrogenase as an Electrocatalyst. <i>Journal of Organic Chemistry</i> , 1997 , 62, 2494-2499	4.2	46
253	Rechargeable Lithium Battery Cells Fabricated Using Poly(methyl methacrylate) Gel Electrolyte and Composite of V ₂ O ₅ and Polypyrrole. <i>Journal of the Electrochemical Society</i> , 2002 , 149, A988	3.9	46
252	A Facile Synthesis of AuAg Alloy Nanoparticles Using a Chemical Reaction Induced by Sputter Deposition of Metal onto Ionic Liquids. <i>Electrochemistry</i> , 2009 , 77, 636-638	1.2	45
251	Electrocatalytic Activity of Platinum Nanoparticles Synthesized by Room-Temperature Ionic Liquid-Sputtering Method. <i>Electrochemistry</i> , 2009 , 77, 693-695	1.2	45
250	Electrodeposition of Al _{1-x} Mo _x Ternary Alloys in the Lewis Acidic Aluminum Chloride/Ethyl-3-methylimidazolium Chloride Room-Temperature Ionic Liquid. <i>Journal of the Electrochemical Society</i> , 2008 , 155, D256	3.9	45
249	Effects of omega-functional groups on pH-dependent reductive desorption of alkanethiol self-assembled monolayers. <i>Langmuir</i> , 2004 , 20, 10123-8	4	44
248	Spatial distribution of domains in binary self-assembled monolayers of thiols having different lengths. <i>Journal of Electroanalytical Chemistry</i> , 2001 , 496, 29-36	4.1	44
247	Light image formations on deprotonated polyaniline films containing titania particles. <i>Chemistry of Materials</i> , 1993 , 5, 437-441	9.6	44
246	Electrochemical fixation of carbon dioxide in oxoglutaric acid using an enzyme as an electrocatalyst. <i>Journal of the American Chemical Society</i> , 1989 , 111, 2361-2362	16.4	44
245	Electrochemical Synthesis of Polypyrrole Films Containing TiO ₂ Powder Particles. <i>Journal of the Electrochemical Society</i> , 1990 , 137, 1793-1796	3.9	44
244	Controlling Shape Anisotropy of ZnS-AgInS Solid Solution Nanoparticles for Improving Photocatalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 27151-27161	9.5	44

243	Widely Controllable Electronic Energy Structure of ZnSe/AgInSe ₂ Solid Solution Nanocrystals for Quantum-Dot-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 29517-29524	3.8	43
242	Photosensitization of ZnO rod electrodes with AgInS ₂ nanoparticles and ZnS-AgInS ₂ solid solution nanoparticles for solar cell applications. <i>RSC Advances</i> , 2012 , 2, 552-559	3.7	43
241	Crystal phase-controlled synthesis of rod-shaped AgInTe ₂ nanocrystals for in vivo imaging in the near-infrared wavelength region. <i>Nanoscale</i> , 2016 , 8, 5435-40	7.7	42
240	Photocurrent generation from hierarchical zinc-substituted hemoprotein assemblies immobilized on a gold electrode. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2628-31	16.4	42
239	Thermally Induced Self-assembly of Gold Nanoparticles Sputter-deposited in Ionic Liquids on Highly Ordered Pyrolytic Graphite Surfaces. <i>Chemistry Letters</i> , 2009 , 38, 330-331	1.7	42
238	Characterization of Covalently Immobilized Q-CdS Particles on Au(111) by Scanning Tunneling Microscopy and Tunneling Spectroscopy with High Reproducibility. <i>Langmuir</i> , 1997 , 13, 742-746	4	42
237	Emission quench of water-soluble ZnS-AgInS ₂ solid solution nanocrystals and its application to chemosensors. <i>Chemical Communications</i> , 2009 , 7485-7	5.8	40
236	Electrochemical behaviour of polyaniline in weak acid solutions. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1989 , 85, 969		40
235	Assimilatory and dissimilatory reduction of nitrate and nitrite with a tris(tetrabutylammonium) nonakis(benzenethiolato)octasulfidohexaferatedimolybdate(3-) modified glassy-carbon electrode in water. <i>Inorganic Chemistry</i> , 1986 , 25, 3018-3022	5.1	40
234	Simple observation of biofilm by scanning electron microscopy using ionic liquids. <i>AMB Express</i> , 2015 , 5, 6	4.1	39
233	ZnS/AgInS ₂ nanoparticles as a temperature sensor. <i>Sensors and Actuators B: Chemical</i> , 2013 , 176, 505-508	5.5	37
232	Tunable Photoelectrochemical Properties of Chalcopyrite AgInS ₂ Nanoparticles Size-Controlled with a Photoetching Technique. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 21895-21902	3.8	37
231	Optical simulation of transmittance into a nanocrystalline anatase TiO ₂ film for solar cell applications. <i>Solar Energy Materials and Solar Cells</i> , 2007 , 91, 201-206	6.4	37
230	Preparation of selective micro glucose sensor without permselective membrane by electrochemical deposition of ruthenium and glucose oxidase. <i>Electrochemistry Communications</i> , 2007 , 9, 1012-1016	5.1	37
229	Nanopore preparation in self-assembled monolayers of alkanethiols with use of the selective desorption technique assisted by underpotential deposition of silver and copper. <i>Journal of Electroanalytical Chemistry</i> , 2001 , 497, 97-105	4.1	37
228	Cadmium-free sugar-chain-immobilized fluorescent nanoparticles containing low-toxicity ZnS-AgInS ₂ cores for probing lectin and cells. <i>Bioconjugate Chemistry</i> , 2014 , 25, 286-95	6.3	36
227	Solution-phase Synthesis of Stannite-type Ag ₂ ZnSnS ₄ Nanoparticles for Application to Photoelectrode Materials. <i>Chemistry Letters</i> , 2012 , 41, 1009-1011	1.7	36
226	Palladium Nanoparticles in Ionic Liquid by Sputter Deposition as Catalysts for Suzuki-Miyaura Coupling in Water. <i>Chemistry Letters</i> , 2010 , 39, 1069-1071	1.7	36

225	Photoinduced Formation of Polythiophene/TiO ₂ Nanohybrid Heterojunction Films for Solar Cell Applications. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 4767-4775	3.8	36
224	Preparation and Properties of Size-Quantized TiO ₂ Particles Immobilized in Poly(vinylpyrrolidinone) Gel Films. <i>Langmuir</i> , 1995 , 11, 3725-3729	4	36
223	Various metal nanoparticles produced by accelerated electron beam irradiation of room-temperature ionic liquid. <i>Chemical Communications</i> , 2012 , 48, 1925-7	5.8	34
222	Immobilization of Pd on Nanosilica Dendrimer as SILC: Highly Active and Sustainable Cluster Catalyst for Suzuki-Miyaura Reaction. <i>Synlett</i> , 2010 , 2010, 1990-1996	2.2	34
221	Preparation and properties of amperometric uric acid sensors. <i>Sensors and Actuators B: Chemical</i> , 1998 , 52, 72-77	8.5	34
220	Preparation of Size-Quantized ZnS Thin Films Using Electrochemical Atomic Layer Epitaxy and Their Photoelectrochemical Properties. <i>Langmuir</i> , 2000 , 16, 5820-5824	4	34
219	Photoimage Formation in a TiO ₂ Particle-Incorporated Prussian Blue Film. <i>Journal of the Electrochemical Society</i> , 1996 , 143, 3462-3465	3.9	34
218	Chromosome observation by scanning electron microscopy using ionic liquid. <i>Microscopy Research and Technique</i> , 2012 , 75, 1113-8	2.8	33
217	Size and shape of Au nanoparticles formed in ionic liquids by electron beam irradiation. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 14823-30	3.6	33
216	Electrochemical Formation of a Polyaniline-Analogue Monolayer on a Gold Electrode. <i>Langmuir</i> , 1999 , 15, 6807-6812	4	33
215	Charge/discharge properties of polypyrrole films containing manganese dioxide particles. <i>Journal of the Chemical Society Chemical Communications</i> , 1991 , 986-987		33
214	In situ SEM observation of the Si negative electrode reaction in an ionic-liquid-based lithium-ion secondary battery. <i>Microscopy (Oxford, England)</i> , 2015 , 64, 159-68	1.3	32
213	Ultrathin oxide shell coating of metal nanoparticles using ionic liquid/metal sputtering. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 6177-6186	13	32
212	Highly durable Pt nanoparticle-supported carbon catalysts for the oxygen reduction reaction tailored by using an ionic liquid thin layer. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 12152-12157	13	32
211	Real-time quantification of methanol in plants using a hybrid alcohol oxidase-peroxidase biosensor. <i>Analytical Chemistry</i> , 2004 , 76, 1500-6	7.8	32
210	Dependence of Conductivity of Polypyrrole Film Doped with p-Phenol Sulfonate on Solution pH. <i>Journal of the Electrochemical Society</i> , 1990 , 137, 2147-2150	3.9	32
209	The effect of basicity of dopant anions on the conductivity of polypyrrole films. <i>Journal of the Chemical Society Chemical Communications</i> , 1988 , 779		31
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204	Scanning electron microscopy with an ionic liquid reveals the loss of mitotic protrusions of cells during the epithelial-mesenchymal transition. <i>Microscopy Research and Technique</i> , 2011 , 74, 1024-31	2.8	29
203	Photoelectrochemical activities of ultrathin lead sulfide films prepared by electrochemical atomic layer epitaxy. <i>Journal of Electroanalytical Chemistry</i> , 2002 , 522, 33-39	4.1	29
202	Influence of basicity of dopant anions on the conductivity of polyaniline. <i>Journal of Electroanalytical Chemistry</i> , 1992 , 335, 223-231	4.1	29
201	Wavelength-Tunable Band-Edge Photoluminescence of Nonstoichiometric Ag-In-S Nanoparticles via Ga Doping. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 42844-42855	9.5	29
200	Graphene Nanoplatelet Composite Cathode for a Chloroaluminate Ionic Liquid-Based Aluminum Secondary Battery. <i>ACS Applied Energy Materials</i> , 2018 , 1, 2269-2274	6.1	28
199	Charge-Discharge Properties of Composite of Synthetic Graphite and Poly(3-n-hexylthiophene) as an Anode Active Material in Rechargeable Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 1998 , 145, 1415-1420	3.9	27
198	Effect of organic dopants on electrical conductivity of polypyrrole films. <i>Synthetic Metals</i> , 1987 , 18, 101-104	3.04	27
197	Synthesis of alloy AuCu nanoparticles with the L1 ₂ structure in an ionic liquid using sputter deposition. <i>Dalton Transactions</i> , 2015 , 44, 4186-94	4.3	26
196	Physicochemical properties of tri-n-butylalkylphosphonium cation-based room-temperature ionic liquids. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 15051-9	3.4	26
195	Rechargeable aluminum batteries utilizing a chloroaluminate inorganic ionic liquid electrolyte. <i>Chemical Communications</i> , 2018 , 54, 4164-4167	5.8	25
194	Ambipolar transport in bulk crystals of a topological insulator by gating with ionic liquid. <i>Physical Review B</i> , 2012 , 86,	3.3	25
193	Preparation and Electrochemical Properties of WO ₃ - Incorporated Polyaniline Films. <i>Journal of the Electrochemical Society</i> , 1992 , 139, 3141-3146	3.9	25
192	Electrochemical preparation of ZnS/CdS superlattice and its photoelectrochemical properties. <i>Electrochemistry Communications</i> , 2000 , 2, 359-362	5.1	24
191	Controllable electronic energy structure of size-controlled Cu ₂ ZnSnS ₄ nanoparticles prepared by a solution-based approach. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 672-5	3.6	23
190	Systematic Studies on Emission Quenching of Cadmium Telluride Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 21621-21628	3.8	23

- 189 Polyacrylic acid coating of highly luminescent CdS nanocrystals for biological labeling applications. *Journal of Colloid and Interface Science*, **2008**, 324, 257-60 9.3 23
- 188 Electrochemical Conversion of Carbon Dioxide to Methanol with Use of Enzymes as Biocatalysts. *Chemistry Letters*, **1993**, 22, 1631-1634 1.7 23
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