

Susumu Kuwabata

List of Publications by Year in descending order

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Version: 2024-02-01

343
papers

14,311
citations

18465

62
h-index

30058

103
g-index

352
all docs

352
docs citations

352
times ranked

13476
citing authors

#	ARTICLE	IF	CITATIONS
1	Aluminum metal anode rechargeable batteries with sulfur-carbon composite cathodes and inorganic chloroaluminate ionic liquid. <i>Chemical Communications</i> , 2022, 58, 1518-1521.	2.2	5
2	Surface ligand chemistry on quaternary Ag(In _x Ga _{1-x}) ₂ semiconductor quantum dots for improving photoluminescence properties. <i>Nanoscale Advances</i> , 2022, 4, 849-857.	2.2	20
3	On-Surface Metathesis of an Ionic Liquid on Ag(111). <i>Chemistry - A European Journal</i> , 2022, , .	1.7	1
4	Impact of sp ² carbon material species on Pt nanoparticle-based electrocatalysts produced by one-pot pyrolysis methods with ionic liquids. <i>RSC Advances</i> , 2022, 12, 14268-14277.	1.7	1
5	Encapsulation of AgInS ₂ /GaS core/shell quantum dots in In-fumarate metal-organic frameworks for stability enhancement. <i>CrystEngComm</i> , 2022, 24, 3715-3723.	1.3	4
6	Recent Progress of Multinary Semiconductor Quantum Dots Towards Luminescent and Photoelectrochemical Applications. <i>Denki Kagaku</i> , 2022, 90, 115-121.	0.0	0
7	Synthesis of multicolor-emitting nitrogen-sulfur co-doped carbon dots and their photochemical studies for sensing applications. <i>RSC Advances</i> , 2022, 12, 20054-20061.	1.7	4
8	Photoluminescence Enhancement by Light Harvesting of Metal-Organic Frameworks Surrounding Semiconductor Quantum Dots. <i>Chemistry of Materials</i> , 2021, 33, 1607-1617.	3.2	24
9	[Paper] Green Electroluminescence Generated by Band-edge Transition in Ag-In-Ga-S/GaS ₂ Core/shell Quantum Dots. <i>ITE Transactions on Media Technology and Applications</i> , 2021, 9, 222-227.	0.3	5
10	Photoluminescence properties of quinary Ag(In,Ga)(S,Se) quantum dots with a gradient alloy structure for <i>in vivo</i> bioimaging. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12791-12801.	2.7	18
11	Room-Temperature Fabrication of Electrocatalyst for Oxygen Reduction Using Pt Nanoparticle-dispersed Protic Ionic Liquid with Poly(3,4-ethylenedioxythiophene). <i>Electrochemistry</i> , 2021, 89, 83-86.	0.6	7
12	Variations in Photoluminescence Intensity of a Quantum Dot Assembly Investigated by Its Adsorption on Cubic Metal-Organic Frameworks. <i>Journal of Physical Chemistry C</i> , 2021, 125, 8285-8293.	1.5	4
13	In Situ Monitoring of Lithium Metal Anodes and Their Solid Electrolyte Interphases by Transmission Electron Microscopy. <i>Small Structures</i> , 2021, 2, 2100018.	6.9	27
14	Synthesis and Pyrolysis of Fullerene-stabilized Pt Nanocolloids as a unique Approach to Pt-doped Carbon. <i>Chemistry - an Asian Journal</i> , 2021, 16, 2280-2285.	1.7	4
15	In Situ Monitoring of Lithium Metal Anodes and Their Solid Electrolyte Interphases by Transmission Electron Microscopy. <i>Small Structures</i> , 2021, 2, 2170016.	6.9	0
16	Innovative Approach for Preparing a CNT-Supported Pt Nanoparticle Functional Electrocatalyst Using Protic Ionic Liquids. <i>ACS Applied Energy Materials</i> , 2021, 4, 7298-7308.	2.5	7
17	Luminescent Quaternary Ag(In _x Ga _{1-x}) ₂ /GaS Core/Shell Quantum Dots Prepared Using Dithiocarbamate Compounds and Photoluminescence Recovery via Post Treatment. <i>Inorganic Chemistry</i> , 2021, 60, 13101-13109.	1.9	30
18	Photoluminescence Stability Enhancement of Ag(In,Ga)(S,GaS _x) Core/Shell Quantum Dots with Thicker Shells by the Addition of Gallium Diethyldithiocarbamate. <i>Chemistry Letters</i> , 2021, 50, 1863-1866.	0.7	12

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19	Adsorption, Wetting, Growth, and Thermal Stability of the Protic Ionic Liquid Diethylmethylammonium Trifluoromethanesulfonate on Ag(111) and Au(111). <i>Langmuir</i> , 2021, 37, 11552-11560.	1.6	5
20	Shape-controlled synthesis of Cu ₂ O nanoparticles with single-digit nanoscale void space via ionic liquid/metal sputtering and their photoelectrochemical properties. <i>Japanese Journal of Applied Physics</i> , 2021, 60, SAAC01.	0.8	8
21	Lithium Electrodeposition in Single Molten Salt with Constant Lithium-Ion Concentration at Any Time and Location. <i>Journal of the Electrochemical Society</i> , 2020, 167, 070502.	1.3	3
22	One-Pot Synthesis of PtNi Alloy Nanoparticle-Supported Multiwalled Carbon Nanotubes in an Ionic Liquid Using a Staircase Heating Process. <i>ACS Omega</i> , 2020, 5, 25687-25694.	1.6	7
23	Hot electron transfer in Zn–Ag–In–Te nanocrystal–methyl viologen complexes enhanced with higher-energy photon excitation. <i>RSC Advances</i> , 2020, 10, 16361-16365.	1.7	6
24	Controlling the oxidation state of molybdenum oxide nanoparticles prepared by ionic liquid/metal sputtering to enhance plasmon-induced charge separation. <i>RSC Advances</i> , 2020, 10, 28516-28522.	1.7	10
25	Electroluminescence from band-edge-emitting AgInS ₂ /GaS _x core/shell quantum dots. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	26
26	Inorganic AlCl ₃ –alkali metal thiocyanate ionic liquids as electrolytes for electrochemical Al technologies. <i>Chemical Communications</i> , 2020, 56, 15297-15300.	2.2	6
27	Lithium-ion battery performance enhanced by the combination of Si thin flake anodes and binary ionic liquid systems. <i>Materials Advances</i> , 2020, 1, 625-631.	2.6	9
28	Efficient quantum-dot light-emitting diodes using ZnS–AgInS ₂ solid-solution quantum dots in combination with organic charge-transport materials. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	14
29	Analytical Measurements to Elucidate Structural Behavior of 2,5-Dimethoxy-1,4-benzoquinone During Charge and Discharge. <i>ChemSusChem</i> , 2020, 13, 2354-2363.	3.6	5
30	Tailored Photoluminescence Properties of Ag(In,Ga)Se ₂ Quantum Dots for Near-Infrared <i>In Vivo</i> Imaging. <i>ACS Applied Nano Materials</i> , 2020, 3, 3275-3287.	2.4	32
31	Electron microscopy using ionic liquids for life and materials sciences. <i>Microscopy (Oxford)</i> Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	6.7	9
32	Short-time and ultrasensitive electroanalytical technique for electrode active materials used in secondary batteries. <i>Journal of Power Sources</i> , 2020, 459, 228041.	4.0	0
33	Temperature dependences of photoluminescence intensities observed from AgInGaS and AgInGaS/GaS _x core–shell nanoparticles. <i>Journal of Nanophotonics</i> , 2020, 14, 1.	0.4	1
34	PtNi Alloy Nanoparticle-Supported MWCNTs Produced in a Nickel(II) Oxalate Dihydrate Dispersed Ionic Liquid with Pt(acac) ₂ by One-Pot Pyrolysis Method. <i>Electrochemistry</i> , 2020, 88, 353-355.	0.6	1
35	Direct surface modification of semiconductor quantum dots with metal–organic frameworks. <i>CrystEngComm</i> , 2019, 21, 5568-5577.	1.3	21
36	Epoxy-Containing Ionic Liquids with Tunable Functionality. <i>Molecules</i> , 2019, 24, 2591.	1.7	1

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37	The Capacitor Properties of KOH Activated Porous Carbon Beads Derived from Polyacrylonitrile. Bulletin of the Chemical Society of Japan, 2019, 92, 832-839.	2.0	4
38	In-situ scanning electron microscope observation of electrode reactions related to battery material. Electrochimica Acta, 2019, 319, 158-163.	2.6	15
39	Platinum and PtNi Nanoparticle-Supported Multiwalled Carbon Nanotube Electrocatalysts Prepared by One-Pot Pyrolytic Synthesis with an Ionic Liquid. ACS Applied Energy Materials, 2019, 2, 4865-4872.	2.5	12
40	Enhanced Photoelectrochemical Properties of Zn ²⁺ Ag ⁺ In ²⁺ Te Nanocrystals with High Energy Photon Excitation. ChemNanoMat, 2019, 5, 1028-1035.	1.5	5
41	Electric Double Layer Capacitors Based on Polyacrylonitrile-derived Porous Carbon Beads: Effects of Particle Size and Composite. Electrochemistry, 2019, 87, 119-122.	0.6	2
42	Use of ionic liquid for X-ray micro-CT specimen preparation of imbibed seeds. Microscopy (Oxford), 2019, 2019, 1-10.	0.7	3
43	Core Nanoparticle Engineering for Narrower and More Intense Band-Edge Emission from AgInS ₂ /GaS _x Core/Shell Quantum Dots. Nanomaterials, 2019, 9, 1763.	1.9	21
44	Graphene Nanoplatelet Composite Cathode for a Chloroaluminate Ionic Liquid-Based Aluminum Secondary Battery. ACS Applied Energy Materials, 2018, 1, 2269-2274.	2.5	41
45	Rechargeable aluminum batteries utilizing a chloroaluminate inorganic ionic liquid electrolyte. Chemical Communications, 2018, 54, 4164-4167.	2.2	33
46	Enhanced Photocatalytic Activity of Zn ²⁺ Ag ⁺ In ²⁺ S Semiconductor Nanocrystals with a Dumbbell-Shaped Heterostructure. Journal of Physical Chemistry C, 2018, 122, 13705-13715.	1.5	23
47	Diffusion of Lithium Cation in Low-Melting Lithium Molten Salts. Journal of Physical Chemistry C, 2018, 122, 4144-4149.	1.5	7
48	Electrocatalyst: Pt Nanoparticle-Supported Carbon Electrocatalysts Functionalized with a Protic Ionic Liquid and Organic Salt (Adv. Mater. Interfaces 3/2018). Advanced Materials Interfaces, 2018, 5, 1870010.	1.9	2
49	Physicochemical Properties and Electrochemical Behavior of Systematically Functionalized Aryltrifluoroborate-Based Room-Temperature Ionic Liquids. Journal of Physical Chemistry C, 2018, 122, 3286-3294.	1.5	11
50	Rod-shaped Zn ²⁺ Ag ⁺ In ²⁺ Te nanocrystals with wavelength-tunable band-edge photoluminescence in the near-IR region. Journal of Materials Chemistry C, 2018, 6, 2034-2042.	2.7	17
51	Graphene Nanoplatelet-Polysulfone Composite Cathodes for High-Power Aluminum Rechargeable Batteries. Electrochemistry, 2018, 86, 72-76.	0.6	11
52	Pt Nanoparticle-Supported Carbon Electrocatalysts Functionalized with a Protic Ionic Liquid and Organic Salt. Advanced Materials Interfaces, 2018, 5, 1701123.	1.9	18
53	Operando Observation of Vacuum and Liquid Interface while Conducting Gold Sputtering onto Ionic Liquid for Preparation of Au Nanoparticles. Electrochemistry, 2018, 86, 223-225.	0.6	5
54	Wavelength-Tunable Band-Edge Photoluminescence of Nonstoichiometric Ag ⁺ In ²⁺ S Nanoparticles via Ga ³⁺ Doping. ACS Applied Materials & Interfaces, 2018, 10, 42844-42855.	4.0	55

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55	Toward a More Accurate Understanding of Impedance Behaviors of Randles-type Equivalent Circuits. Review of Polarography, 2018, 64, 91-96.	0.0	1
56	In situ electron microscopy and X-ray photoelectron spectroscopy for high capacity anodes in next-generation ionic liquid-based Li batteries. Electrochimica Acta, 2018, 279, 136-142.	2.6	20
57	Platinum Nanoparticle-Supported Electrocatalysts Functionalized by Carbonization of Protic Ionic Liquid and Organic Salts. ACS Applied Energy Materials, 2018, 1, 3030-3034.	2.5	13
58	Ionic liquid-based transmission electron microscopy for herpes simplex virus type 1. Biophysical Reviews, 2018, 10, 927-929.	1.5	9
59	Narrow band-edge photoluminescence from AgInS ₂ semiconductor nanoparticles by the formation of amorphous III-VI semiconductor shells. NPG Asia Materials, 2018, 10, 713-726.	3.8	91
60	Oxygen reduction electrocatalysts sophisticated by using Pt nanoparticle-dispersed ionic liquids with electropolymerizable additives. Journal of Materials Chemistry A, 2018, 6, 11853-11862.	5.2	19
61	Preparation of low-toxic Zn-Ag-In-Te quantum dots with tunable near-IR emission toward optical applications. , 2018, , .		0
62	Enhanced visible light response of a WO ₃ photoelectrode with an immobilized fibrous gold nanoparticle assembly using an amyloid- β peptide. RSC Advances, 2017, 7, 1089-1092.	1.7	2
63	Electrocatalytic Activity of Bimetallic Pd-Au Particle Films Prepared by Sequential Sputter Deposition of Pd and Au onto Hydroxyl-functionalized Ionic Liquid. Chemistry Letters, 2017, 46, 956-959.	0.7	9
64	SEM as a Facile Tool for Real-Time Monitoring of Microcrystal Growth during Electrodeposition: The Merit of Ionic Liquids. Analytical Chemistry, 2017, 89, 7249-7254.	3.2	10
65	Physicochemical properties of phenyltrifluoroborate-based room temperature ionic liquids. Journal of Molecular Liquids, 2017, 246, 236-243.	2.3	14
66	Visualization of Si Anode Reactions in Coin-Type Cells via Operando Scanning Electron Microscopy. ACS Applied Materials & Interfaces, 2017, 9, 35511-35515.	4.0	26
67	Graphene-Coated Activated Carbon Fiber Cloth Positive Electrodes for Aluminum Rechargeable Batteries with a Chloroaluminate Room-Temperature Ionic Liquid. Journal of the Electrochemical Society, 2017, 164, A2468-A2473.	1.3	16
68	Boron and nitrogen co-doped ordered microporous carbons with high surface areas. Chemical Communications, 2017, 53, 13348-13351.	2.2	21
69	Improvement of photoluminescence stability of ZnS-AgInS ₂ nanoparticles through interactions with ionic liquids. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 332, 371-375.	2.0	4
70	Controlling the Size and Chemical Composition of Multinary Semiconductor Nanocrystals for Improving Photochemical Functions. Hyomen Kagaku, 2017, 38, 18-23.	0.0	0
71	é»æ°—âCE—â¼ ä¼4šç¬83âžæ~¥â£âšâ¼4šâ,'âšé°âšâ¼ âšé—â,¬â¼Mâ,â«â¼,â¼â£â¼. Electrochemistry, 2016, 84, 129-129.		0
72	Evaluation of Surface Ligands on Semiconductor Nanoparticle Surfaces Using Electron Transfer to Redox Species. Journal of Physical Chemistry C, 2016, 120, 16012-16023.	1.5	11

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73	Formation of a Pt-Decorated Au Nanoparticle Monolayer Floating on an Ionic Liquid by the Ionic Liquid/Metal Sputtering Method and Tunable Electrocatalytic Activities of the Resulting Monolayer. ACS Applied Materials & Interfaces, 2016, 8, 10874-10883.	4.0	26
74	Controlling Shape Anisotropy of ZnS ₂ /AgInS ₂ Solid Solution Nanoparticles for Improving Photocatalytic Activity. ACS Applied Materials & Interfaces, 2016, 8, 27151-27161.	4.0	53
75	Single-step preparation of indium tin oxide nanocrystals dispersed in ionic liquids via oxidation of molten In-Sn alloys. Chemical Communications, 2016, 52, 12241-12244.	2.2	2
76	Alkali Metal Salts with Designable Aryltrifluoroborate Anions. Journal of Physical Chemistry B, 2016, 120, 9468-9476.	1.2	8
77	Preface to the Kohei Uosaki Festschrift: Electrochemistry of Ordered Interfaces—Design, Construction, and Interrogation of Functional Electrochemical Interphases with Atomic/Molecular Resolution. Journal of Physical Chemistry C, 2016, 120, 15527-15529.	1.5	2
78	Highly durable Pt nanoparticle-supported carbon catalysts for the oxygen reduction reaction tailored by using an ionic liquid thin layer. Journal of Materials Chemistry A, 2016, 4, 12152-12157.	5.2	43
79	In situ Scanning Electron Microscopy of Silicon Anode Reactions in Lithium-Ion Batteries during Charge/Discharge Processes. Scientific Reports, 2016, 6, 36153.	1.6	65
80	Photocatalytic Properties of TiO ₂ Composites Immobilized with Gold Nanoparticle Assemblies Using the Streptavidin-Biotin Interaction. Langmuir, 2016, 32, 6459-6467.	1.6	14
81	Multifunctional electropolymerizable carbazole-based ionic liquids. RSC Advances, 2016, 6, 15735-15744.	1.7	5
82	Crystal phase-controlled synthesis of rod-shaped AgInTe ₂ nanocrystals for in vivo imaging in the near-infrared wavelength region. Nanoscale, 2016, 8, 5435-5440.	2.8	49
83	Mannose-displaying fluorescent framboidal nanoparticles containing phenylboronic acid groups as a potential drug carrier for macrophage targeting. Colloids and Surfaces B: Biointerfaces, 2015, 136, 1174-1181.	2.5	9
84	Fine Patterning of Silver Metal by Electron Beam Irradiation onto Room-temperature Ionic Liquid. Chemistry Letters, 2015, 44, 312-314.	0.7	8
85	Double Layer Capacitance Properties of Monodisperse Carbon Particles with High Porosity Derived from Polyacrylonitrile Synthesized by Dispersion Polymerization. Electrochemistry, 2015, 83, 348-350.	0.6	6
86	Electron Microscope Observation of Soft Materials Using Ionic Liquids. Hyomen Kagaku, 2015, 36, 195-200.	0.0	0
87	Electrodeposition of Al-W-Mn Ternary Alloys from the Lewis Acidic Aluminum Chloride ⁺ 1-Ethyl-3-methylimidazolium Chloride Ionic Liquid. Journal of the Electrochemical Society, 2015, 162, D405-D411.	1.3	10
88	Synthesis of alloy AuCu nanoparticles with the L1 ₀ structure in an ionic liquid using sputter deposition. Dalton Transactions, 2015, 44, 4186-4194.	1.6	33
89	Simple observation of Streptococcus mutans biofilm by scanning electron microscopy using ionic liquids. AMB Express, 2015, 5, 6.	1.4	60
90	<i>In situ</i> SEM observation of the Si negative electrode reaction in an ionic-liquid-based lithium-ion secondary battery. Microscopy (Oxford, England), 2015, 64, 159-168.	0.7	37

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91	Single-step preparation of two-dimensionally organized gold particles via ionic liquid/metal sputter deposition. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 13150-13159.	1.3	26
92	Controlling the Electronic Energy Structure of ZnS \AA AgInS ₂ Solid Solution Nanocrystals for Photoluminescence and Photocatalytic Hydrogen Evolution. <i>Journal of Physical Chemistry C</i> , 2015, 119, 24740-24749.	1.5	122
93	Direct Observation of Short-Range Structural Coherence During a Charge Transfer Induced Spin Transition in a CoFe Prussian Blue Analogue by Transmission Electron Microscopy. <i>Journal of the American Chemical Society</i> , 2015, 137, 14686-14693.	6.6	20
94	Ultrathin oxide shell coating of metal nanoparticles using ionic liquid/metal sputtering. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6177-6186.	5.2	37
95	Interaction between living cells and polymeric particles: potential application of ionic liquid for evaluating the cellular uptake of biodegradable polymeric particles composed of poly(amino acid). <i>Polymer Journal</i> , 2015, 47, 631-638.	1.3	6
96	Well-controlled synthesis of wurtzite-type Cu ₂ ZnSnS ₄ nanoparticles using multiple sulfur sources via a two-step heating process. <i>CrystEngComm</i> , 2015, 17, 174-182.	1.3	10
97	SEM Observation of Wet Lily Pollen Grains Pretreated with Ionic Liquid. <i>Japanese Society for Horticultural Science</i> , 2014, 83, 317-321.	0.8	5
98	Widely Controllable Electronic Energy Structure of ZnSe \AA AgInSe ₂ Solid Solution Nanocrystals for Quantum-Dot-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014, 118, 29517-29524.	1.5	50
99	Development of an electrochemical cell for <i>in situ</i> transmission electron microscopy observation. <i>Microscopy (Oxford, England)</i> , 2014, 63, 481-486.	0.7	11
100	Ionic Liquid Preparation for SEM Observation of Minute Crustacean. <i>Microscopy and Microanalysis</i> , 2014, 20, 1016-1017.	0.2	8
101	Electrochemical Energy Storage Device with a Lewis Acidic AlBr ₃ \AA 1-Ethyl-3-methylimidazolium Bromide Room-Temperature Ionic Liquid. <i>Journal of the Electrochemical Society</i> , 2014, 161, A908-A914.	1.3	19
102	Electrodeposition of Al-W Alloys in the Lewis Acidic Aluminum Chloride \AA 1-Ethyl-3-Methylimidazolium Chloride Ionic Liquid. <i>Journal of the Electrochemical Society</i> , 2014, 161, D405-D412.	1.3	18
103	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, 336-347.	2.1	115
104	An ionic liquid-Fe ₃ O ₄ nanoparticles-graphite composite electrode used for nonenzymatic electrochemical determination of hydrogen peroxide. <i>Journal of Electroanalytical Chemistry</i> , 2014, 729, 109-115.	1.9	14
105	Atomic Resolution Imaging of Gold Nanoparticle Generation and Growth in Ionic Liquids. <i>Journal of the American Chemical Society</i> , 2014, 136, 13789-13797.	6.6	61
106	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, 286-295.	1.8	41
107	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, 672-675.	1.3	28
108	Visualization of Electrochemical Reactions by Redox-dependent Quenching of Photoluminescence from ZnS-AgInS ₂ Solid Solution Semiconductor Nanoparticles. <i>Electrochemistry</i> , 2014, 82, 338-340.	0.6	2

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109	New Preparation Method using Ionic Liquid for Fast and Reliable SEM Observation of Biological Specimens. <i>Microscopy and Microanalysis</i> , 2014, 20, 1012-1013.	0.2	12
110	Three-dimensional micro/nano-scale structure fabricated by combination of non-volatile polymerizable RTIL and FIB irradiation. <i>Scientific Reports</i> , 2014, 4, 3722.	1.6	24
111	SEM Observation of Hydrous Superabsorbent Polymer Pretreated with Room-Temperature Ionic Liquids. <i>PLoS ONE</i> , 2014, 9, e91193.	1.1	21
112	Colloidal Syntheses of Semiconductor Nanoparticles with Tunable Photoluminescence in Visible-Light Region and Their Application to Photo-functional Materials. <i>Journal of the Japan Society of Colour Material</i> , 2014, 87, 430-435.	0.0	0
113	Photoinduced Electron Transfer of ZnS _{1-x} AgInS ₂ Solid-Solution Semiconductor Nanoparticles: Emission Quenching and Photocatalytic Reactions Controlled by Electrostatic Forces. <i>Journal of Physical Chemistry C</i> , 2013, 117, 15667-15676.	1.5	18
114	Composition-Dependent Photoelectrochemical Properties of Nonstoichiometric Cu ₂ ZnSnS ₄ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21055-21063.	1.5	16
115	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.	1.3	57
116	In situ SEM study of a lithium deposition and dissolution mechanism in a bulk-type solid-state cell with a Li ₂ S ₁₀ P ₂ S ₅ solid electrolyte. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 18600.	1.3	233
117	ZnS _{1-x} AgInS ₂ nanoparticles as a temperature sensor. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 505-508.	4.0	42
118	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.	1.5	51
119	Electrodeposition of aluminum-hafnium alloy from the Lewis acidic aluminum chloride-1-ethyl-3-methylimidazolium chloride molten salt. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 409-417.	1.2	18
120	Supramolecular Linear Assemblies of Cytochrome b 562 Immobilized on a Gold Electrode. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013, 23, 172-179.	1.9	9
121	Physicochemical properties of 1-alkyl-3-methylimidazolium chloride-urea melts. <i>Electrochimica Acta</i> , 2013, 100, 285-292.	2.6	14
122	Physicochemical Properties of Tri- <i>n</i> -butylalkylphosphonium Cation-Based Room-Temperature Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2013, 117, 15051-15059.	1.2	32
123	Basolateral Mg ²⁺ Extrusion via CNNM4 Mediates Transcellular Mg ²⁺ Transport across Epithelia: A Mouse Model. <i>PLoS Genetics</i> , 2013, 9, e1003983.	1.5	130
124	Simple Observation of the Interaction between Nanoparticles and Cells by Scanning Electron Microscopy Employing Ionic Liquid. <i>Bulletin of the Chemical Society of Japan</i> , 2013, 86, 153-158.	2.0	8
125	Shape-controlled Synthesis of ZnS _{1-x} CuInS ₂ -AgInS ₂ Solid Solution Nanoparticles and Their Photoluminescence Properties. <i>Chemistry Letters</i> , 2013, 42, 171-173.	0.7	3
126	Li ⁺ /Zn ²⁺ Selective Ion Transport in a ZnS _{1-x} AgInS ₂ Solid Solution Nanoparticle. <i>Electrochimica Acta</i> , 2013, 81, 635-640.	0	0

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127	The Effect of Hydrophilic Ionic Liquids 1-Ethyl-3-Methylimidazolium Lactate and Choline Lactate on Lipid Vesicle Fusion. PLoS ONE, 2013, 8, e85467.	1.1	25
128	Development of Electron Microscopy Techniques Using Ionic Liquid. Journal of the Vacuum Society of Japan, 2013, 56, 83-87.	0.3	0
129	Ambipolar transport in bulk crystals of a topological insulator by gating with ionic liquid. Physical Review B, 2012, 86, .	1.1	29
130	Observation of Electrochemical Reaction and Biological Specimen by Novel Analytical Technique Combined with Room-Temperature Ionic Liquid and Scanning Electron Microscope. Electrochemistry, 2012, 80, 308-311.	0.6	21
131	Introduction of Ionic Liquid to Vacuum Conditions for Development of Material Productions and Analyses. Electrochemistry, 2012, 80, 498-503.	0.6	5
132	Solution-phase Synthesis of Stannite-type $\text{Ag}_2\text{ZnSnS}_4$ Nanoparticles for Application to Photoelectrode Materials. Chemistry Letters, 2012, 41, 1009-1011.	0.7	40
133	Platinum nanoparticle immobilization onto carbon nanotubes using Pt-sputtered room-temperature ionic liquid. RSC Advances, 2012, 2, 8262.	1.7	59
134	Preparation of gold nanoparticles using reactive species produced in room-temperature ionic liquids by accelerated electron beam irradiation. RSC Advances, 2012, 2, 11801.	1.7	15
135	Various metal nanoparticles produced by accelerated electron beam irradiation of room-temperature ionic liquid. Chemical Communications, 2012, 48, 1925.	2.2	39
136	Photosensitization of ZnO rod electrodes with AgInS_2 nanoparticles and ZnS- AgInS_2 solid solution nanoparticles for solar cell applications. RSC Advances, 2012, 2, 552-559.	1.7	46
137	Temperature-Responsive One-Dimensional Nanogels Formed by the Cross-Linker-Aided Single Particle Nanofabrication Technique. ACS Applied Materials & Interfaces, 2012, 4, 5492-5497.	4.0	15
138	Gold Nanoparticle Assisted Self-Assembly and Enhancement of Charge Carrier Mobilities of a Conjugated Polymer. Journal of Physical Chemistry C, 2012, 116, 17343-17350.	1.5	19
139	Metal-Ion Diffusion in Ionic Liquid Studied by Electrochemical Scanning Electron Microscopy with X-ray Fluorescence Spectrometry. Journal of Physical Chemistry C, 2012, 116, 20902-20907.	1.5	20
140	Tunable Photoelectrochemical Properties of Chalcopyrite AgInS_2 Nanoparticles Size-Controlled with a Photoetching Technique. Journal of Physical Chemistry C, 2012, 116, 21895-21902.	1.5	51
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