

Susumu Kuwabata

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4601068/susumu-kuwabata-publications-by-year.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

332
papers

12,280
citations

58
h-index

96
g-index

352
ext. papers

13,161
ext. citations

4.4
avg, IF

6.24
L-index

#	Paper	IF	Citations
332	Surface ligand chemistry on quaternary Ag(In _x Ga _{1-x})S ₂ semiconductor quantum dots for improving photoluminescence properties. <i>Nanoscale Advances</i> , 2022 , 4, 849-857	5.1	1
331	Impact of sp 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	3.7	0
330	Recent Progress of Multinary Semiconductor Quantum Dots Towards Luminescent and Photoelectrochemical Applications. <i>Denki Kagaku</i> , 2022 , 90, 115-121	0	
329	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	1.4	5
328	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	1.2	3
327	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	3.8	1
326	In Situ Monitoring of Lithium Metal Anodes and Their Solid Electrolyte Interphases by Transmission Electron Microscopy. <i>Small Structures</i> , 2021 , 2, 2100018	8.7	12
325	Synthesis and Pyrolysis of Fullerenol-stabilized Pt Nanocolloids as a unique Approach to Pt-doped Carbon. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 2280-2285	4.5	0
324	In Situ Monitoring of Lithium Metal Anodes and Their Solid Electrolyte Interphases by Transmission Electron Microscopy. <i>Small Structures</i> , 2021 , 2, 2170016	8.7	
323	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	6.1	3
322	Photoluminescence Enhancement by Light Harvesting of Metal-Organic Frameworks Surrounding Semiconductor Quantum Dots. <i>Chemistry of Materials</i> , 2021 , 33, 1607-1617	9.6	7
321	[Paper] Green Electroluminescence Generated by Band-edge Transition in Ag-In-Ga-S/Ga _x S Core/shell Quantum Dots. <i>ITE Transactions on Media Technology and Applications</i> , 2021 , 9, 222-227	0.7	0
320	Photoluminescence properties of quinary Ag(In,Ga)(S,Se) quantum dots with a gradient alloy structure for in vivo bioimaging. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 12791-12801	7.1	4
319	Luminescent Quaternary Ag(InGa)S/GaS Core/Shell Quantum Dots Prepared Using Dithiocarbamate Compounds and Photoluminescence Recovery via Post Treatment. <i>Inorganic Chemistry</i> , 2021 , 60, 13101-13109	5.1	5
318	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	4.1	0
317	Inorganic AlCl ₃ -alkali metal thiocyanate ionic liquids as electrolytes for electrochemical Al technologies. <i>Chemical Communications</i> , 2020 , 56, 15297-15300	5.8	2
316	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	3.3	9

315	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, 093302	3.4	7
314	Analytical Measurements to Elucidate Structural Behavior of 2,5-Dimethoxy-1,4-benzoquinone During Charge and Discharge. <i>ChemSusChem</i> , 2020 , 13, 2354-2363	8.3	4
313	Tailored Photoluminescence Properties of Ag(In,Ga)Se ₂ Quantum Dots for Near-Infrared In Vivo Imaging. <i>ACS Applied Nano Materials</i> , 2020 , 3, 3275-3287	5.6	18
312	Electron microscopy using ionic liquids for life and materials sciences. <i>Microscopy (Oxford, England)</i> , 2020 , 69, 183-195	1.3	5
311	Short-time and ultrasensitive electroanalytical technique for electrode active materials used in secondary batteries. <i>Journal of Power Sources</i> , 2020 , 459, 228041	8.9	
310	Temperature dependences of photoluminescence intensities observed from AgInGaS and AgInGaS/GaS _x core-shell nanoparticles. <i>Journal of Nanophotonics</i> , 2020 , 14, 1	1.1	
309	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	1.2	0
308	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	3.9	2
307	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	3.9	2
306	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	3.7	6
305	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	3.7	8
304	Electroluminescence from band-edge-emitting AgInS ₂ /GaS _x core/shell quantum dots. <i>Applied Physics Letters</i> , 2020 , 117, 091101	3.4	9
303	The Capacitor Properties of KOH Activated Porous Carbon Beads Derived from Polyacrylonitrile. <i>Bulletin of the Chemical Society of Japan</i> , 2019 , 92, 832-839	5.1	3
302	In-situ scanning electron microscope observation of electrode reactions related to battery material. <i>Electrochimica Acta</i> , 2019 , 319, 158-163	6.7	11
301	Platinum and PtNi Nanoparticle-Supported Multiwalled Carbon Nanotube Electrocatalysts Prepared by One-Pot Pyrolytic Synthesis with an Ionic Liquid. <i>ACS Applied Energy Materials</i> , 2019 , 2, 4865-4872	6.1	7
300	Enhanced Photoelectrochemical Properties of ZnAgInTe Nanocrystals with High Energy Photon Excitation. <i>ChemNanoMat</i> , 2019 , 5, 1028-1035	3.5	3
299	Electric Double Layer Capacitors Based on Polyacrylonitrile-derived Porous Carbon Beads: Effects of Particle Size and Composite. <i>Electrochemistry</i> , 2019 , 87, 119-122	1.2	1
298	Use of ionic liquid for X-ray micro-CT specimen preparation of imbibed seeds. <i>Microscopy (Oxford, England)</i> , 2019 , 68, 92-97	1.3	2

297	Direct surface modification of semiconductor quantum dots with metal-organic frameworks. <i>CrystEngComm</i> , 2019 , 21, 5568-5577	3.3	10
296	Core Nanoparticle Engineering for Narrower and More Intense Band-Edge Emission from AgInS/GaS Core/Shell Quantum Dots. <i>Nanomaterials</i> , 2019 , 9,	5.4	7
295	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
294	Rechargeable aluminum batteries utilizing a chloroaluminate inorganic ionic liquid electrolyte. <i>Chemical Communications</i> , 2018 , 54, 4164-4167	5.8	25
293	Enhanced Photocatalytic Activity of ZnAgInS Semiconductor Nanocrystals with a Dumbbell-Shaped Heterostructure. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 13705-13715	3.8	17
292	Diffusion of Lithium Cation in Low-Melting Lithium Molten Salts. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 4144-4149	3.8	6
291	Electrocatalyst: Pt-Nanoparticle-Supported Carbon Electrocatalysts Functionalized with a Protic Ionic Liquid and Organic Salt (Adv. Mater. Interfaces 3/2018). <i>Advanced Materials Interfaces</i> , 2018 , 5, 1870010	4.6	1
290	Physicochemical Properties and Electrochemical Behavior of Systematically Functionalized Aryltrifluoroborate-Based Room-Temperature Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 3286-3294	3.8	6
289	Rod-shaped ZnAgInTe nanocrystals with wavelength-tunable band-edge photoluminescence in the near-IR region. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 2034-2042	7.1	12
288	Graphene Nanoplatelet-Polysulfone Composite Cathodes for High-Power Aluminum Rechargeable Batteries. <i>Electrochemistry</i> , 2018 , 86, 72-76	1.2	9
287	Platinum Nanoparticle-Supported Electrocatalysts Functionalized by Carbonization of Protic Ionic Liquid and Organic Salts. <i>ACS Applied Energy Materials</i> , 2018 , 1, 3030-3034	6.1	7
286	Ionic liquid-based transmission electron microscopy for herpes simplex virus type 1. <i>Biophysical Reviews</i> , 2018 , 10, 927-929	3.7	6
285	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
284	Oxygen reduction electrocatalysts sophisticated by using Pt nanoparticle-dispersed ionic liquids with electropolymerizable additives. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 11853-11862	13	14
283	Pt-Nanoparticle-Supported Carbon Electrocatalysts Functionalized with a Protic Ionic Liquid and Organic Salt. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1701123	4.6	15
282	Operando Observation of Vacuum and Liquid Interface while Conducting Gold Sputtering onto Ionic Liquid for Preparation of Au Nanoparticles. <i>Electrochemistry</i> , 2018 , 86, 223-225	1.2	2
281	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
280	Toward a More Accurate Understanding of Impedance Behaviors of Randles-type Equivalent Circuits. <i>Review of Polarography</i> , 2018 , 64, 91-96	0.2	1

279	In situ electron microscopy and X-ray photoelectron spectroscopy for high capacity anodes in next-generation ionic liquid-based Li batteries. <i>Electrochimica Acta</i> , 2018 , 279, 136-142	6.7	16
278	Enhanced visible light response of a WO ₃ photoelectrode with an immobilized fibrous gold nanoparticle assembly using an amyloid- β peptide. <i>RSC Advances</i> , 2017 , 7, 1089-1092	3.7	2
277	Electrocatalytic Activity of Bimetallic Pd-Au Particle Films Prepared by Sequential Sputter Deposition of Pd and Au onto Hydroxyl-functionalized Ionic Liquid. <i>Chemistry Letters</i> , 2017 , 46, 956-959	1.7	5
276	SEM as a Facile Tool for Real-Time Monitoring of Microcrystal Growth during Electrodeposition: The Merit of Ionic Liquids. <i>Analytical Chemistry</i> , 2017 , 89, 7249-7254	7.8	7
275	Physicochemical properties of phenyltrifluoroborate-based room temperature ionic liquids. <i>Journal of Molecular Liquids</i> , 2017 , 246, 236-243	6	8
274	Visualization of Si Anode Reactions in Coin-Type Cells via Operando Scanning Electron Microscopy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 35511-35515	9.5	20
273	Graphene-Coated Activated Carbon Fiber Cloth Positive Electrodes for Aluminum Rechargeable Batteries with a Chloroaluminate Room-Temperature Ionic Liquid. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A2468-A2473	3.9	13
272	Boron and nitrogen co-doped ordered microporous carbons with high surface areas. <i>Chemical Communications</i> , 2017 , 53, 13348-13351	5.8	13
271	Improvement of photoluminescence stability of ZnS-AgInS ₂ nanoparticles through interactions with ionic liquids. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 332, 371-375	4.7	4
270	Controlling the Size and Chemical Composition of Multinary Semiconductor Nanocrystals for Improving Photochemical Functions. <i>Hyomen Kagaku</i> , 2017 , 38, 18-23		
269	Preface to the Kohei Uosaki Festschrift: Electrochemistry of Ordered Interfaces Design, Construction, and Interrogation of Functional Electrochemical Interphases with Atomic/Molecular Resolution. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 15527-15529	3.8	2
268	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
267	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
266	Top-Down Synthesis Methods for Nanoscale Catalysts 2016 , 171-205		4
265	Photocatalytic Properties of TiO ₂ Composites Immobilized with Gold Nanoparticle Assemblies Using the Streptavidin-Biotin Interaction. <i>Langmuir</i> , 2016 , 32, 6459-67	4	10
264	Multifunctional electropolymerizable carbazole-based ionic liquids. <i>RSC Advances</i> , 2016 , 6, 15735-15744	3.7	3
263	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
262	Evaluation of Surface Ligands on Semiconductor Nanoparticle Surfaces Using Electron Transfer to Redox Species. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 16012-16023	3.8	8

261	Formation of a Pt-Decorated Au Nanoparticle Monolayer Floating on an Ionic Liquid/Metal Sputtering Method and Tunable Electrocatalytic Activities of the Resulting Monolayer. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 10874-83	9.5	19
260	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
259	Single-step preparation of indium tin oxide nanocrystals dispersed in ionic liquids via oxidation of molten In-Sn alloys. <i>Chemical Communications</i> , 2016 , 52, 12241-12244	5.8	2
258	Alkali Metal Salts with Designable Aryltrifluoroborate Anions. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 9468-76	3.4	6
257	Simple observation of biofilm by scanning electron microscopy using ionic liquids. <i>AMB Express</i> , 2015 , 5, 6	4.1	39
256	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
255	Single-step preparation of two-dimensionally organized gold particles via ionic liquid/metal sputter deposition. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 13150-9	3.6	22
254	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
253	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, 14686-93	16.4	14
252	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
251	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	2.7	6
250	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	3.3	10
249	Mannose-displaying fluorescent framboidal nanoparticles containing phenylboronic acid groups as a potential drug carrier for macrophage targeting. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 136, 1174-81	6	8
248	Fine Patterning of Silver Metal by Electron Beam Irradiation onto Room-temperature Ionic Liquid. <i>Chemistry Letters</i> , 2015 , 44, 312-314	1.7	6
247	Double Layer Capacitance Properties of Monodisperse Carbon Particles with High Porosity Derived from Polyacrylonitrile Synthesized by Dispersion Polymerization. <i>Electrochemistry</i> , 2015 , 83, 348-350	1.2	5
246	Electron Microscope Observation of Soft Materials Using Ionic Liquids. <i>Hyomen Kagaku</i> , 2015 , 36, 195-200		
245	Electrodeposition of Al-W-Mn Ternary Alloys from the Lewis Acidic Aluminum Chloride-1-Ethyl-3-methylimidazolium Chloride Ionic Liquid. <i>Journal of the Electrochemical Society</i> , 2015 , 162, D405-D411	3.9	9
244	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

243	Electrodeposition of Al-W Alloys in the Lewis Acidic Aluminum Chloride- Γ -Ethyl-3-Methylimidazolium Chloride Ionic Liquid. <i>Journal of the Electrochemical Society</i> , 2014 , 161, D405-D412	3.9	16
242	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
241	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	4.1	12
240	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
239	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
238	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
237	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	1.2	2
236	New Preparation Method using Ionic Liquid for Fast and Reliable SEM Observation of Biological Specimens. <i>Microscopy and Microanalysis</i> , 2014 , 20, 1012-1013	0.5	10
235	Three-dimensional micro/nano-scale structure fabricated by combination of non-volatile polymerizable RTIL and FIB irradiation. <i>Scientific Reports</i> , 2014 , 4, 3722	4.9	20
234	SEM Observation of Wet Lily Pollen Grains Pretreated with Ionic Liquid. <i>Japanese Society for Horticultural Science</i> , 2014 , 83, 317-321		5
233	Widely Controllable Electronic Energy Structure of ZnSe _x AgInSe _{2-x} Solid Solution Nanocrystals for Quantum-Dot-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 29517-29524	3.8	43
232	Development of an electrochemical cell for in situ transmission electron microscopy observation. <i>Microscopy (Oxford, England)</i> , 2014 , 63, 481-6	1.3	10
231	Ionic Liquid Preparation for SEM Observation of Minute Crustacean. <i>Microscopy and Microanalysis</i> , 2014 , 20, 1016-1017	0.5	7
230	Electrochemical Energy Storage Device with a Lewis Acidic AlBr ₃ - Γ -Ethyl-3-methylimidazolium Bromide Room-Temperature Ionic Liquid. <i>Journal of the Electrochemical Society</i> , 2014 , 161, A908-A914	3.9	17
229	SEM observation of hydrous superabsorbent polymer pretreated with room-temperature ionic liquids. <i>PLoS ONE</i> , 2014 , 9, e91193	3.7	16
228	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	
227	Photoinduced Electron Transfer of ZnS _x AgInS _{2-x} Solid-Solution Semiconductor Nanoparticles: Emission Quenching and Photocatalytic Reactions Controlled by Electrostatic Forces. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 15667-15676	3.8	16
226	Composition-Dependent Photoelectrochemical Properties of Nonstoichiometric Cu ₂ ZnSnS ₄ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 21055-21063	3.8	14

225	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, 7286-94	3.6	47
224	In situ SEM study of a lithium deposition and dissolution mechanism in a bulk-type solid-state cell with a Li2S-P2S5 solid electrolyte. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 18600-6	3.6	176
223	ZnS-AgInS2 nanoparticles as a temperature sensor. <i>Sensors and Actuators B: Chemical</i> , 2013 , 176, 505-508.5	3.5	37
222	Plasmon-Enhanced Photoluminescence and Photocatalytic Activities of Visible-Light-Responsive ZnS-AgInS2 Solid Solution Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 2511-2520	3.8	49
221	Electrodeposition of aluminum-bismuth 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	2.6	16
220	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	3.2	9
219	Physicochemical properties of 1-alkyl-3-methylimidazolium chloride-urea melts. <i>Electrochimica Acta</i> , 2013 , 100, 285-292	6.7	13
218	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
217	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
216	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	5.1	7
215	Shape-controlled Synthesis of ZnS-CuInS2-AgInS2 Solid Solution Nanoparticles and Their Photoluminescence Properties. <i>Chemistry Letters</i> , 2013 , 42, 171-173	1.7	3
214	1.?????????????????????????????????. <i>Electrochemistry</i> , 2013 , 81, 635-640	1.2	
213	Use of Ionic Liquid Under Vacuum Conditions 2013 ,		2
212	The effect of hydrophilic ionic liquids 1-ethyl-3-methylimidazolium lactate and choline lactate on lipid vesicle fusion. <i>PLoS ONE</i> , 2013 , 8, e85467	3.7	20
211	Development of Electron Microscopy Techniques Using Ionic Liquid. <i>Journal of the Vacuum Society of Japan</i> , 2013 , 56, 83-87		
210	Use of ionic liquid in fungal taxonomic study of ultrastructure of basidiospore ornamentation. <i>Mycological Progress</i> , 2012 , 11, 343-347	1.9	15
209	Solution-phase Synthesis of Stannite-type Ag2ZnSnS4 Nanoparticles for Application to Photoelectrode Materials. <i>Chemistry Letters</i> , 2012 , 41, 1009-1011	1.7	36
208	Platinum nanoparticle immobilization onto carbon nanotubes using Pt-sputtered room-temperature ionic liquid. <i>RSC Advances</i> , 2012 , 2, 8262	3.7	53

207	Preparation of gold nanoparticles using reactive species produced in room-temperature ionic liquids by accelerated electron beam irradiation. <i>RSC Advances</i> , 2012 , 2, 11801	3.7	14
206	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
205	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
204	Temperature-responsive one-dimensional nanogels formed by the cross-linker-aided single particle nanofabrication technique. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 5492-7	9.5	15
203	Gold Nanoparticle Assisted Self-Assembly and Enhancement of Charge Carrier Mobilities of a Conjugated Polymer. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 17343-17350	3.8	18
202	Metal-Ion Diffusion in Ionic Liquid Studied by Electrochemical Scanning Electron Microscopy with X-ray Fluorescence Spectrometry. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 20902-20907	3.8	17
201	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
200	Stable sugar-chain-immobilized fluorescent nanoparticles for probing lectin and cells. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 2678-82	4.5	13
199	Compositional control of AuPt nanoparticles synthesized in ionic liquids by the sputter deposition technique. <i>CrystEngComm</i> , 2012 , 14, 4922	3.3	55
198	Chromosome observation by scanning electron microscopy using ionic liquid. <i>Microscopy Research and Technique</i> , 2012 , 75, 1113-8	2.8	33
197	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
196	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
195	Ambipolar transport in bulk crystals of a topological insulator by gating with ionic liquid. <i>Physical Review B</i> , 2012 , 86,	3.3	25
194	Observation of Electrochemical Reaction and Biological Specimen by Novel Analytical Technique Combined with Room-Temperature Ionic Liquid and Scanning Electron Microscope. <i>Electrochemistry</i> , 2012 , 80, 308-311	1.2	17
193	Introduction of Ionic Liquid to Vacuum Conditions for Development of Material Productions and Analyses. <i>Electrochemistry</i> , 2012 , 80, 498-503	1.2	5
192	Observation of live ticks (<i>Haemaphysalis flava</i>) by scanning electron microscopy under high vacuum pressure. <i>PLoS ONE</i> , 2012 , 7, e32676	3.7	10
191	Fabrication of Nanoframe Structures by Site-selective Assembly of Gold Nanoparticles on Silver Cubes in an Ionic Liquid. <i>Chemistry Letters</i> , 2011 , 40, 84-86	1.7	14
190	In situ Electron Microscope Observation of Electrochemical Reactions using Room Temperature Ionic Liquids as Electrolytes. <i>Review of Polarography</i> , 2011 , 57, 93-99	0.2	

189	One-Pot Synthesis of Water-Soluble Nanoparticles of ZnS-AgInS ₂ Solid Solution with Controllable Photoluminescence. <i>Electrochemistry</i> , 2011 , 79, 790-792	1.2	6
188	Long Term Optical Properties of ZnS-AgInS ₂ and AgInS ₂ -AgGaS ₂ Solid-Solution Semiconductor Nanoparticles Dispersed in Polymer Matrices. <i>Electrochemistry</i> , 2011 , 79, 813-816	1.2	4
187	A remarkable effect of ionic liquids in transition-metal-free aerobic oxidation of benzylic alcohols. <i>Tetrahedron Letters</i> , 2011 , 52, 5392-5394	2	19
186	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
185	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
184	Comparative study of hydrophilic and hydrophobic ionic liquids for observing cultured human cells by scanning electron microscopy. <i>Microscopy Research and Technique</i> , 2011 , 74, 1104-8	2.8	17
183	Design, Synthesis, and Electrochemistry of Room-Temperature Ionic Liquids Functionalized with Propylene Carbonate. <i>Angewandte Chemie</i> , 2011 , 123, 1346-1349	3.6	7
182	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
181	Nonvolatile RTIL-based artificial muscle: actuation mechanism identified by in situ EDX analysis. <i>Chemistry - A European Journal</i> , 2011 , 17, 11122-6	4.8	20
180	SEM observation of wet biological specimens pretreated with room-temperature ionic liquid. <i>ChemBioChem</i> , 2011 , 12, 2547-50	3.8	66
179	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
178	Modulating the immobilization process of Au nanoparticles on TiO ₂ (110) by electrostatic interaction between the surface and ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 13585-93	3.6	11
177	Surface-plasmon-enhanced photocurrent generation of CdTe nanoparticle/titania nanosheet composite layers on Au particulate films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 221, 244-249	4.7	7
176	Electrochemical synthesis and superconducting phase diagram of CuxBi ₂ Se ₃ . <i>Physical Review B</i> , 2011 , 84,	3.3	97
175	Fundamental Research on Biomedical Application of Al-Mo-Ti Alloy Electrodeposited from AlCl ₃ -1-Ethyl-3-methylimidazolium Chloride Melt. <i>Transactions of the Materials Research Society of Japan</i> , 2010 , 35, 43-46	0.2	1
174	Carbon Composite with Pt Nanoparticles Prepared by Room-Temperature Ionic Liquid-Sputtering Method. <i>ECS Transactions</i> , 2010 , 33, 127-133	1	6
173	Irradiation-Induced Metal Nanoparticles in Room-Temperature Ionic Liquid. <i>ECS Transactions</i> , 2010 , 33, 543-554	1	2
172	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

171	Preparation of Luminescent AgInS ₂ /AgGaS ₂ Solid Solution Nanoparticles and Their Optical Properties. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 3283-3287	6.4	65
170	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
169	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
168	Preparation and photoelectrochemical properties of densely immobilized Cu ₂ ZnSnS ₄ nanoparticle films. <i>Journal of Materials Chemistry</i> , 2010 , 20, 5319		132
167	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
166	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
165	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
164	Studies on Reaction Conditions for Size-selective Photoetching of Cadmium Telluride Nanocrystals. <i>Electrochemistry</i> , 2010 , 78, 170-174	1.2	
163	Fabrication of Transition Metal Oxide Nanoparticles Highly Dispersed in Ionic Liquids by Sputter Deposition. <i>Chemistry Letters</i> , 2010 , 39, 1072-1074	1.7	17
162	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
161	Immobilization of ZnS-AgInS ₂ Solid Solution Nanoparticles on ZnO Rod Array Electrodes and Their Photoresponse with Visible Light Irradiation. <i>Chemistry Letters</i> , 2010 , 39, 619-621	1.7	9
160	New frontiers in materials science opened by ionic liquids. <i>Advanced Materials</i> , 2010 , 22, 1196-221	24	718
159	Nanoparticle-dispersed liquid crystals fabricated by sputter doping. <i>Advanced Materials</i> , 2010 , 22, 622-624	24	67
158	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
157	Various in situ SEM Techniques for Observing Electrode Surface Reactions in Ionic Liquid. <i>Hyomen Kagaku</i> , 2009 , 30, 368-373		2
156	Improvement of Anode Oxidation Reaction of a Fuel Cell using Ammonium Formate with Pt-Pd Catalysts. <i>ECS Transactions</i> , 2009 , 16, 849-853	1	4
155	Small-Angle X-ray Scattering Study of Au Nanoparticles Dispersed in the Ionic Liquids 1-Alkyl-3-methylimidazolium Tetrafluoroborate. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 3917-3922	3.8	78
154	Gold nanoparticles prepared with a room-temperature ionic liquid-radiation irradiation method. <i>Chemical Communications</i> , 2009 , 6792-4	5.8	56

153	Systematic Studies on Emission Quenching of Cadmium Telluride Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 21621-21628	3.8	23
152	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
151	Organic conducting wire formation on a TiO ₂ nanocrystalline structure: towards long-lived charge separated systems. <i>Chemical Communications</i> , 2009 , 4360-2	5.8	12
150	Nanoparticle-Stabilized Cholesteric Blue Phases. <i>Applied Physics Express</i> , 2009 , 2, 121501	2.4	196
149	Formation of Au nanoparticles in an ionic liquid by electron beam irradiation. <i>Chemical Communications</i> , 2009 , 1775-7	5.8	68
148	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
147	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
146	Functionalized Room-Temperature Ionic Liquids for Lithium Secondary Battery Electrolyte Materials. <i>Electrochemistry</i> , 2009 , 77, 690-692	1.2	8
145	Electrocatalytic Activity of Platinum Nanoparticles Synthesized by Room-Temperature Ionic Liquid-Sputtering Method. <i>Electrochemistry</i> , 2009 , 77, 693-695	1.2	45
144	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
143	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
142	Self-assembly of ionic liquid (BMI-PF ₆)-stabilized gold nanoparticles on a silicon surface: chemical and structural aspects. <i>Langmuir</i> , 2008 , 24, 7785-92	4	67
141	Quantum dot sensitized solar cells 2008 ,		1
140	Electrodeposition of Al _{1-x} Mo _x Ti 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
139	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
138	In situ surface plasmon resonance measurements of self-assembled monolayers of ferrocenylalkylthiols under constant potentials. <i>Analytical Sciences</i> , 2008 , 24, 307-12	1.7	5
137	Fabrication of Amperometric Biosensing Systems Focusing on Attachment of High Substrate Selectivity. <i>Chemistry Letters</i> , 2008 , 37, 230-235	1.7	3
136	Photoluminescence Enhancement of ZnS-AgInS ₂ Solid Solution Nanoparticles Layer-by-layer-assembled in Inorganic Multilayer Thin Films. <i>Chemistry Letters</i> , 2008 , 37, 700-701	1.7	16

135	?????????in situ?????????????. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2008 , 59, 801-805	2
134	Electrochemical desorption of a self-assembled monolayer of alkanethiol in ionic liquids. <i>Journal of Electroanalytical Chemistry</i> , 2008 , 615, 110-116	4.1 19
133	Development of in situ electrochemical scanning electron microscopy with ionic liquids as electrolytes. <i>ChemPhysChem</i> , 2008 , 9, 763-7	3.2 61
132	Polyacrylic acid coating of highly luminescent CdS nanocrystals for biological labeling applications. <i>Journal of Colloid and Interface Science</i> , 2008 , 324, 257-60	9.3 23
131	Development of in situ scanning electron microscope system for real time observation of metal deposition from ionic liquid. <i>Electrochemistry Communications</i> , 2008 , 10, 1901-1904	5.1 61
130	Development of new techniques for scanning electron microscope observation using ionic liquid. <i>Electrochimica Acta</i> , 2008 , 53, 6228-6234	6.7 108
129	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
128	Interfacial electron transfer mechanisms in bithiophene sensitized TiO ₂ based solar cells. <i>Transactions of the Materials Research Society of Japan</i> , 2008 , 33, 161-164	0.2 3
127	Controlling surface reactions of CdS nanocrystals: photoluminescence activation, photoetching and photostability under light irradiation. <i>Nanotechnology</i> , 2007 , 18, 465702	3.4 52
126	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
125	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
124	Electrocatalytic Activity of Pt and Ru Photodeposited Polyaniline Electrodes for Methanol Oxidation. <i>Electrochemistry</i> , 2007 , 75, 39-44	1.2 3
123	Carbon Nanotube and Carbon Black Supported Platinum Nanocomposites as Oxygen Reduction Electrocatalysts for Polymer Electrolyte Fuel Cells. <i>Electrochemistry</i> , 2007 , 75, 705-708	1.2 8
122	One-step Preparation and Photosensitivity of Size-quantized Cadmium Chalcogenide Nanoparticles Deposited on Porous Zinc Oxide Film Electrodes. <i>Chemistry Letters</i> , 2007 , 36, 712-713	1.7 15
121	CdS Quantum Dots Sensitized TiO ₂ Sandwich Type Photoelectrochemical Solar Cells. <i>Chemistry Letters</i> , 2007 , 36, 88-89	1.7 140
120	Utilization of AC Impedance Measurements for Electrochemical Glucose Sensing Using Glucose Oxidase to Improve Detection Selectivity. <i>Bulletin of the Chemical Society of Japan</i> , 2007 , 80, 158-165	5.1 18
119	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
118	Observation of Ionic Liquid by Electron Microscopy. <i>Hyomen Kagaku</i> , 2007 , 28, 322-326	8

117	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
116	Single-wall carbon nanotubes supported platinum nanoparticles with improved electrocatalytic activity for oxygen reduction reaction. <i>Langmuir</i> , 2006 , 22, 2392-6	4	272
115	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
114	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
113	Observation of Ionic Liquid by Scanning Electron Microscope. <i>Chemistry Letters</i> , 2006 , 35, 600-601	1.7	149
112	Addition of Capacitor Property into Polymer Electrolyte Fuel Cell by Using Composite of Conducting Polymer and Pt-deposited Carbon. <i>Electrochemistry</i> , 2006 , 74, 394-396	1.2	
111	Glucose Sensing Using p-Acetamidophenol as an Electron Mediator between Glucose Oxidase and Nafion-Coated Glassy Carbon Electrode. <i>Electrochemistry</i> , 2006 , 74, 804-809	1.2	5
110	Photoelectrochemistry of p-type Cu ₂ O semiconductor electrode in ionic liquid. <i>Research on Chemical Intermediates</i> , 2006 , 32, 575-583	2.8	11
109	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
108	Oxygen reduction at platinum monolayer islands deposited on Au(111). <i>Journal of Physical Chemistry B</i> , 2005 , 109, 23190-5	3.4	21
107	Surface Modification of Photoluminescent CdS Nanocrystals Inducing Spontaneous Phase Transfer Reaction. <i>Chemistry Letters</i> , 2005 , 34, 1300-1301	1.7	2
106	Electrocatalytic reduction of oxygen at platinum particles photodeposited on polyaniline/Nafion film. <i>Polymers for Advanced Technologies</i> , 2005 , 16, 759-763	3.2	8
105	Investigation of the Effect of Pt Location in Catalyst Layer on Fuel Cell Performance Using Pt-photodeposited Polyaniline-Nafion Composite Film. <i>Electrochemistry</i> , 2005 , 73, 1021-1025	1.2	3
104	Photodeposition of Pt on composite films of Nafion and conducting polymer and O ₂ reduction using the composite film-coated electrode. <i>Electrochimica Acta</i> , 2004 , 50, 749-754	6.7	17
103	Effects of omega-functional groups on pH-dependent reductive desorption of alkanethiol self-assembled monolayers. <i>Langmuir</i> , 2004 , 20, 10123-8	4	44
102	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
101	Preparation Method Allowing Self-isolation of CdS Nanocrystals Emitting Intense Band-gap Luminescence. <i>Chemistry Letters</i> , 2004 , 33, 1344-1345	1.7	14
100	Simulations of Electrochemical AC Impedances by Numerical Calculations. <i>Review of Polarography</i> , 2004 , 50, 305-313	0.2	3

99	Preparation of Pt Monolayer Islands Using Self-assembled Monolayer Technique. <i>Electrochemistry</i> , 2004 , 72, 412-414	1.2	3
98	Novel Utilization of Impedance Measurement for Electrochemical Biosensing Aiming at Elimination of Influence by Interference Materials. <i>Chemistry Letters</i> , 2003 , 32, 52-53	1.7	10
97	Oxygen reduction at silver monolayer islands deposited on gold substrate. <i>Electrochemistry Communications</i> , 2003 , 5, 133-137	5.1	30
96	Development of Electrochemical Methods to Elucidate Dynamic Parameters of Lipid Molecules in Bilayer Membrane. <i>Electrochemistry</i> , 2003 , 71, 933-937	1.2	4
95	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
94	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
93	Voltammetric Characterization for the Growth of Oxide Films Formed on Copper in Air. <i>Zairyo To Kankyo/Corrosion Engineering</i> , 2002 , 51, 566-570	0.5	7
92	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
91	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
90	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
89	Detection of difference in acidity between arrayed carboxy groups and the groups dissolved in solution by reductive desorption of a self-assembled monolayer of carboxy-terminated thiols. <i>Chemical Communications</i> , 2001 , 1338-1339	5.8	11
88	Voltammetric Characterization of Oxide Films Formed on Copper in Air. <i>Journal of the Electrochemical Society</i> , 2001 , 148, B467	3.9	58
87	Photoelectrochemical properties of size-quantized semiconductor photoelectrodes prepared by two-dimensional cross-linking of monodisperse CdS nanoparticles. <i>Electrochimica Acta</i> , 2000 , 45, 3269-3276	6.7	22
86	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
85	Electrochemical preparation of ZnS/CdS superlattice and its photoelectrochemical properties. <i>Electrochemistry Communications</i> , 2000 , 2, 359-362	5.1	24
84	Charge-discharge properties of composites of polypyrrole and vanadium oxide powder. <i>Macromolecular Symposia</i> , 2000 , 156, 213-222	0.8	5
83	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
82	Underpotential deposition behavior of metals onto gold electrodes coated with self-assembled monolayers of alkanethiols. <i>Journal of Electroanalytical Chemistry</i> , 1999 , 473, 59-67	4.1	74

63	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
62	Evaluation of Diffusibility of Adsorbed Propionaldehyde on Titanium Dioxide-Loaded Adsorbent Photocatalyst Films from Its Photodecomposition Rate. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 2644-2649	3.4	75
61	EQCM studies on polypyrrole in aqueous solutions. <i>Journal of Electroanalytical Chemistry</i> , 1997 , 420, 219-225	4.1	58
60	Electrochemical oxidation of reduced nicotinamide coenzymes at Au electrodes modified with phenothiazine derivative monolayers. <i>Journal of Electroanalytical Chemistry</i> , 1997 , 422, 45-54	4.1	73
59	Preparation of a microelectrode array using desorption of a self-assembled monolayer of hexadecylthiolate on a gold electrode in cyanide solution. <i>Journal of Electroanalytical Chemistry</i> , 1997 , 429, 75-80	4.1	6
58	Effects of Adsorbents Used as Supports for Titanium Dioxide Loading on Photocatalytic Degradation of Propyzamide. <i>Environmental Science & Technology</i> , 1996 , 30, 1275-1281	10.3	253
57	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
56	Fabrication of Novel Electrochemical Reduction Systems Using Alcohol Dehydrogenase as a Bifunctional Electrocatalyst. <i>Chemistry Letters</i> , 1996 , 25, 137-138	1.7	7
55	Preparation of a microelectrode array by photo-induced elimination of a self-assembled monolayer of hexadecylthiolate on a gold electrode. <i>Journal of Electroanalytical Chemistry</i> , 1995 , 396, 97-102	4.1	18
54	Preparation and Properties of Manganese Dioxide/Polypyrrole Composites as an Active Material for Lithium Secondary Batteries. <i>Materials Research Society Symposia Proceedings</i> , 1995 , 393, 125		2
53	Preparation and Properties of Size-Quantized TiO ₂ Particles Immobilized in Poly(vinylpyrrolidinone) Gel Films. <i>Langmuir</i> , 1995 , 11, 3725-3729	4	36
52	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
51	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
50	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
49	Selective photoreduction of carbon dioxide to methanol on titanium dioxide photocatalysts in propylene carbonate solution. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 829		14
48	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
47	Investigation of the gas-transport properties of polyaniline. <i>Journal of Membrane Science</i> , 1994 , 91, 1-12	9.6	70
46	Kinetic studies using the quartz microbalance technique on the photoreduction of polyaniline film containing TiO ₂ particles. <i>Journal of Electroanalytical Chemistry</i> , 1994 , 377, 261-268	4.1	8

45	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
44	Mechanism of the Amperometric Response of a Proposed Glucose Sensor Based on a Polypyrrole-Tubule-Impregnated Membrane. <i>Analytical Chemistry</i> , 1994 , 66, 2757-2762	7.8	30
43	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
42	Electrochemical Reduction of Formaldehyde, Acetaldehyde, and Acetone to The Corresponding Alcohols Using Alcohol Dehydrogenase as an Electrocatalyst. <i>Chemistry Letters</i> , 1994 , 23, 407-410	1.7	5
41	Anodic deprotonation of polyaniline films in alcohol solutions. <i>Chemistry of Materials</i> , 1993 , 5, 604-608	9.6	6
40	Light image formations on deprotonated polyaniline films containing titania particles. <i>Chemistry of Materials</i> , 1993 , 5, 437-441	9.6	44
39	A Simple Chemical Procedure for Extending the Conductive State of Polypyrrole to More Negative Potentials. <i>Journal of the Electrochemical Society</i> , 1993 , 140, 2754-2759	3.9	14
38	Electrochemical Conversion of Carbon Dioxide to Methanol with Use of Enzymes as Biocatalysts. <i>Chemistry Letters</i> , 1993 , 22, 1631-1634	1.7	23
37	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
36	Photoelectrochromic Properties of Methylene Blue in Conducting Polyaniline Matrixes. <i>Journal of the Electrochemical Society</i> , 1992 , 139, 1824-1830	3.9	9
35	Preparation and Electrochemical Properties of WO ₃ - Incorporated Polyaniline Films. <i>Journal of the Electrochemical Society</i> , 1992 , 139, 3141-3146	3.9	25
34	Formation of a light image in a polyaniline film containing titanium(IV) oxide particles. <i>Journal of the Chemical Society Chemical Communications</i> , 1992 , 716		30
33	Influence of basicity of dopant anions on the conductivity of polyaniline. <i>Journal of Electroanalytical Chemistry</i> , 1992 , 335, 223-231	4.1	29
32	Light-writing in Polyaniline Film Containing WO ₃ Particles. <i>Electrochemistry</i> , 1992 , 60, 1097-1100		3
31	Kinetics of glassy carbon electrodes coated with polystyrene films containing ferrocene and ionic surface-active agents. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991 , 301, 165-176		
30	Charge/discharge properties of polypyrrole films containing manganese dioxide particles. <i>Journal of the Chemical Society Chemical Communications</i> , 1991 , 986-987		33
29	Electrochemical Fixation of CO ₂ in Acetyl-coenzyme A to Yield Pyruvic Acid Using Pyruvate Dehydrogenase Complexes as an Electrocatalyst. <i>Chemistry Letters</i> , 1990 , 19, 1151-1154	1.7	8
28	Electrochemical fixation of carbon dioxide in pyruvic acid to yield malic acid using malic enzyme as an electrocatalyst. <i>Bioelectrochemistry</i> , 1990 , 24, 241-247		12

27	Preparation of polyaniline films doped with methylene blue-bound Nafion and the electrochromic properties of the resulting films. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1990 , 281, 97-107		20
26	Electrochemical fixation of carbon dioxide in pyruvic acid to yield malic acid using malic enzyme as an electrocatalyst. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1990 , 299, 241-247		3
25	Electrical Conductivity of Polypyrrole Films Doped with Carboxylate Anions. <i>Journal of the Electrochemical Society</i> , 1990 , 137, 1788-1792	3.9	21
24	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
23	Electrochemical Synthesis of Polypyrrole Films Containing TiO ₂ Powder Particles. <i>Journal of the Electrochemical Society</i> , 1990 , 137, 1793-1796	3.9	44
22	Dimerization kinetics of methylene blue incorporated in a Nation film. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1989 , 261, 363-373		23
21	Gas sensitivities of electropolymerized polythiophene films. <i>Synthetic Metals</i> , 1989 , 30, 173-181	3.6	75
20	Electrochemical behaviour of polyaniline in weak acid solutions. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1989 , 85, 969		40
19	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
18	Reduction of N ₃ By [Mo ₂ Fe ₆ S ₈ (SPh) ₉] ₃ Modified Glassy Carbon ElectrodeModel Study of Nitrogenase. <i>Bulletin of the Chemical Society of Japan</i> , 1989 , 62, 1561-1566	5.1	5
17	Electrodes coated with polystyrene films containing surface-active agents. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988 , 242, 143-154		8
16	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. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988 , 249, 143-153		63
15	Gas sensitivity of polypyrrole films to NO ₂ . <i>Journal of the Chemical Society Faraday Transactions I</i> , 1988 , 84, 1587		57
14	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
13	Conductivity of polypyrrole films doped with aromatic sulphonate derivatives. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1988 , 84, 2317		30
12	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
11	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
10	Light-Localized Deposition of Electroconductive Polymers on n-Type Silicon by Utilizing Semiconductor Photocatalysis. <i>Journal of the Electrochemical Society</i> , 1988 , 135, 1699-1702	3.9	21

- 9 Effect of organic dopants on electrical conductivity of polypyrrole films. *Synthetic Metals*, **1987**, 18, 101-104 27
- 8 Electrochemical Behavior of Polypyrrole Deposited on Nafion-coated Electrodes. *Chemistry Letters*, **1986**, 15, 1243-1246 1.7 17
- 7 The Redox Potential of a Synthetic Fe₄S₄ Cluster. Protonation/Deprotonation Equilibria of the Oxidized and Reduced Species. *Chemistry Letters*, **1986**, 15, 1531-1534 1.7
- 6 Reduction of NO₃⁻ giving NH₃ using a (Bun₄N)₃[Mo₂Fe₆S₈(SPh)₉]-modified glassy carbon electrode. *Journal of the Chemical Society Chemical Communications*, **1986**, 135 11
- 5 Multielectron reductions of alkyl azides with [Mo₂Fe₆S₈(SPh)₉]³⁻ and [Mo₂Fe₆S₈(.mu.-SEt)₃(SCH₂CH₂OH)₆]³⁻ in homogeneous systems and with a (Bu₄N)₃[Mo₂Fe₆S₈(SPh)₉] modified glassy-carbon electrode in water. *Inorganic Chemistry*, **1986**, 25, 1691-1697 5.1 16
- 4 Assimilatory and dissimilatory reduction of nitrate and nitrite with a tris(tetrabutylammonium) nonakis(benzenethiolato)octasulfidohexaferratedimolybdate(3-) modified glassy-carbon electrode in water. *Inorganic Chemistry*, **1986**, 25, 3018-3022 5.1 40
- 3 MULTIELECTRON REDUCTION OF ALKYL AZIDE BY A (n-Bu₄N)₃[Mo₂Fe₆S₈(SPh)₉]-MODIFIED GLASSY CARBON ELECTRODE. *Chemistry Letters*, **1985**, 14, 401-404 1.7 5
- 2 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
- 1 Preparation and Characteristic Control of Conducting Polymer/Metal Oxide Nano-Hybrid Films for Solar Energy Conversion. *Ceramic Engineering and Science Proceedings*, 35-49 0.1