Tsukasa Torimoto

List of Publications by Year
in descending order

237	10,278	34076	39638
papers	citations	52 h-index	94 g-index

243	243	243	9540
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Surface ligand chemistry on quaternary Ag(In_xGa_{1â”x})S₂ semiconductor quantum dots for improving photoluminescence properties. Nanoscale Advances, 2022, 4, 849-857.	2.2	20
2	Encapsulation of AgInS₂/GaS_x core/shell quantum dots in In-fumarate metalâ€“organic frameworks for stability enhancement. CrystEngComm, 2022, 24, 3715-3723.	1.3	4
3	Recent Progress of Multinary Semiconductor Quantum Dots Towards Luminescent and Photoelectrochemical Applications. Denki Kagaku, 2022, 90, 115-121.	0.0	0
4	Solution-Phase Syntheses and Photochemical Properties of Silver Bismuth Sulfide Nanoparticles. ECS Meeting Abstracts, 2022, MA2022-01, 934-934.	0.0	1
5	(Invited, Digital Presentation) Controlling the Energy Structure of Ag(In,Ga)S Quantum Dots for Photocatalytic H₂ Evolution. ECS Meeting Abstracts, 2022, MA2022-01, 1576-1576.	0.0	0
6	Controlling Electronic Energy Structure of Near-IR-Responsive Ag(In,Ga)(S,Se)₂ Quantum Dots for In Vivo Bioimaging. ECS Meeting Abstracts, 2022, MA2022-01, 935-935.	0.0	0
7	Photoluminescence Enhancement by Light Harvesting of Metalâ€“Organic Frameworks Surrounding Semiconductor Quantum Dots. Chemistry of Materials, 2021, 33, 1607-1617.	3.2	24
8	[Paper] Green Electroluminescence Generated by Band-edge Transition in Ag-In-Ga-S/GaS_{<i>x</i>} Core/shell Quantum Dots. ITE Transactions on Media Technology and Applications, 2021, 9, 222-227.	0.3	5
9	Photoluminescence properties of quinary Agâ€“(In,Ga)â€“(S,Se) quantum dots with a gradient alloy structure for in vivo bioimaging. Journal of Materials Chemistry C, 2021, 9, 12791-12801.	2.7	18
10	Variations in Photoluminescence Intensity of a Quantum Dot Assembly Investigated by Its Adsorption on Cubic Metalâ€“Organic Frameworks. Journal of Physical Chemistry C, 2021, 125, 8285-8293.	1.5	4
11	Composition-Controlled Synthesis of Near-IR-Light-Emitting Ag-Î™n-Ga-Se Nanocrystals for Biological Imaging. ECS Meeting Abstracts, 2021, MA2021-01, 718-718.	0.0	0
12	Optical force mapping at the single-nanometre scale. Nature Communications, 2021, 12, 3865.	5.8	30
13	Incoherent Optical Tweezers on Black Titanium. ACS Applied Materials & Interfaces, 2021, 13, 27586-27593.	4.0	9
14	Luminescent Quaternary Ag(In_xGa_{1â€“x})S₂/GaS_y Core/Shell Quantum Dots Prepared Using Dithiocarbamate Compounds and Photoluminescence Recovery via Post Treatment. Inorganic Chemistry, 2021, 60, 13101-13109.	1.9	30
15	Peryleneâ€Cy3 FRET System to Analyze Photoactive DNA Structures. Chemistry - A European Journal, 2021, 27, 12845-12850.	1.7	2
16	Photoluminescence Stability Enhancement of Agâ€“Inâ€“Gaâ€“S/GaS_x Core/Shell Quantum Dots with Thicker Shells by the Addition of Gallium Diethyldithiocarbamate. Chemistry Letters, 2021, 50, 1863-1866.	0.7	12
17	Shape-controlled synthesis of Cu2O nanoparticles with single-digit nanoscale void space via ionic liquid/metal sputtering and their photoelectrochemical properties. Japanese Journal of Applied Physics, 2021, 60, SAAC01.	0.8	8
18	Optical Trapping of Nanocrystals at Oil/Water Interfaces: Implications for Photocatalysis. ACS Applied Nano Materials, 2021, 4, 11743-11752.	2.4	4

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19	Red-light-activatable ruthenium phthalocyanine catalysts. Chemical Communications, 2021, 57, 13594-13597.	2.2	9
20	Hot electron transfer in Znâ€“Agâ€“Inâ€“Te nanocrystalâ€“methyl viologen complexes enhanced with higher-energy photon excitation. RSC Advances, 2020, 10, 16361-16365.	1.7	6
21	Controlling the oxidation state of molybdenum oxide nanoparticles prepared by ionic liquid/metal sputtering to enhance plasmon-induced charge separation. RSC Advances, 2020, 10, 28516-28522.	1.7	10
22	Electroluminescence from band-edge-emitting AgInS2/GaSx core/shell quantum dots. Applied Physics Letters, 2020, 117, .	1.5	26
23	Red light-inducible overall water-splitting photocatalyst, gold-inserted zinc rhodium oxide and bismuth vanadium oxide heterojunction, connected using gold prepared by sputtering in ionic liquid. Journal of Chemical Physics, 2020, 153, 014701.	1.2	9
24	Controlling the visible-light driven photocatalytic activity of alloyed ZnSeâ€“AgInSe₂ quantum dots for hydrogen production. Journal of Materials Chemistry A, 2020, 8, 13142-13149.	5.2	38
25	Efficient quantum-dot light-emitting diodes using ZnSâ€“AgInS2 solid-solution quantum dots in combination with organic charge-transport materials. Applied Physics Letters, 2020, 116, .	1.5	14
26	Tailored Photoluminescence Properties of Ag(In,Ga)Se₂ Quantum Dots for Near-Infrared In Vivo Imaging. ACS Applied Nano Materials, 2020, 3, 3275-3287.	2.4	32
27	(Invited) Controlling the Electronic Energy Structure of ZnSe-AgInSe2 Solid Solution Nanorods for Visible-Light-Driven Photocatalytic H2 Evolution. ECS Meeting Abstracts, 2020, MA2020-01, 1724-1724.	0.0	0
28	(Invited) Hot Hole Transfer from Zn-Ag-in-Te Nanocrystals Photo-Excited with High-Energy Photons. ECS Meeting Abstracts, 2020, MA2020-01, 899-899.	0.0	0
29	Synthesis of submicron-sized CdS particles using reverse micelles. Journal of Nanophotonics, 2020, 14, 1.	0.4	1
30	Temperature dependences of photoluminescence intensities observed from AgInGaS and AgInGaS/GaSx coreâ€“shell nanoparticles. Journal of Nanophotonics, 2020, 14, 1.	0.4	1
31	(Invited) Photocatalytic H2 Evolution with Anisotropic-Shaped ZnSe-AgInSe2 Solid Solution Nanorods. ECS Meeting Abstracts, 2020, MA2020-02, 3090-3090.	0.0	0
32	Fabrication and Evaluation of Electroluminescence Devices Using Quantum Dots As Light Emitting Materials. ECS Meeting Abstracts, 2020, MA2020-02, 3638-3638.	0.0	0
33	Fabrication of Quantum Dots@Metalâ€“Organic Frameworks Nanocomposites By Direct Surface Modification. ECS Meeting Abstracts, 2020, MA2020-02, 2726-2726.	0.0	0
34	Embedding Quantum Dots with High Quantum Yield in Inorganic Matrix By Sol-Gel Method. ECS Meeting Abstracts, 2020, MA2020-02, 3639-3639.	0.0	0
35	Promoting Hot Carrier Extraction in Zn-Ag-In-Te Nanocrystals By Irradiation of High-Energy Light. ECS Meeting Abstracts, 2020, MA2020-02, 1880-1880.	0.0	0
36	Gold Amount Dependence of Red Light Responsive Z-Scheme Photocatalyst on Water-Splitting Activity Using Gold Prepared By Sputtering in Ionic Liquid. ECS Meeting Abstracts, 2020, MA2020-02, 3118-3118.	0.0	0

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37	Syntheses and Photoelectrochemical Properties of Plasmonic Molybdenum Oxide Nanoparticles Via Ionic Liquid/Metal Sputtering. ECS Meeting Abstracts, 2020, MA2020-02, 2962-2962.	0.0	0
38	Narrow-Band Photoluminescence from Cadmium-Free I-III-VI Ternary Semiconductor Quantum Dots By Surface Modification. ECS Meeting Abstracts, 2020, MA2020-02, 2727-2727.	0.0	0
39	Controlling Electronic Energy Structure of Agâ€“Iâ™nâ€“Gaâ€“Sâ€“Se Quantum Dots Showing Band-Edge Emission. ECS Meeting Abstracts, 2020, MA2020-02, 3121-3121.	0.0	0
40	(Keynote) Band-Edge Emission from AgInS₂/Ga₂S₃ Core/Shell Quantum Dots and Enhancement of Their Quantum Yield. ECS Meeting Abstracts, 2020, MA2020-02, 3076-3076.	0.0	0
41	Direct surface modification of semiconductor quantum dots with metalâ€“organic frameworks. CrystEngComm, 2019, 21, 5568-5577.	1.3	21
42	Nanotraffic Lights: Rayleigh Scattering Microspectroscopy of Optically Trapped Octahedral Gold Nanoparticles. Journal of Physical Chemistry C, 2019, 123, 23096-23102.	1.5	3
43	Enhanced Photoelectrochemical Properties of Znâˆ'Agâˆ'Inâˆ'Te Nanocrystals with High Energy Photon Excitation. ChemNanoMat, 2019, 5, 1028-1035.	1.5	5
44	Core Nanoparticle Engineering for Narrower and More Intense Band-Edge Emission from AgInS2/GaSx Core/Shell Quantum Dots. Nanomaterials, 2019, 9, 1763.	1.9	21
45	Narrow Band-Edge Photoluminescence of Ga3+-Doped AgInS2 Quantum Dots. ECS Meeting Abstracts, 2019, , .	0.0	0
46	Enhanced Photocatalytic Activity of Znâ€“Agâ€“Inâ€“S Semiconductor Nanocrystals with a Dumbbell-Shaped Heterostructure. Journal of Physical Chemistry C, 2018, 122, 13705-13715.	1.5	23
47	Electrocatalyst: Ptâ€Nanoparticleâ€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
48	Rod-shaped Znâ€“Agâ€“Inâ€“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
49	Ptâ€Nanoparticleâ€Supported Carbon Electrocatalysts Functionalized with a Protic Ionic Liquid and Organic Salt. Advanced Materials Interfaces, 2018, 5, 1701123.	1.9	18
50	Wavelength-Tunable Band-Edge Photoluminescence of Nonstoichiometric Agâ€“Inâ€“S Nanoparticles via Ga³⁺ Doping. ACS Applied Materials & Interfaces, 2018, 10, 42844-42855.	4.0	55
51	Photoluminescence characterization of ZnS-AgInS2 (ZAIS) nanoparticles adsorbed on plasmonic chip studied with fluorescence microscopy. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 367, 347-354.	2.0	5
52	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
53	Narrow band-edge photoluminescence from AgInS2 semiconductor nanoparticles by the formation of amorphous IIIâ€“VI semiconductor shells. NPG Asia Materials, 2018, 10, 713-726.	3.8	91
54	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

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55	Optical trapping of gold and semiconductor nanoparticles at oil-water interfaces with a focused near-infrared laser beam. , 2018, , .		1
56	(Invited) Acceleration of Electrocatalytic Reaction By Photoexciting Localized Surface Plasmon of Octahedral Au@Pt Core-Shell Nanoparticles. ECS Meeting Abstracts, 2018, , .	0.0	0
57	Preparation of low-toxic Zn-Ag-In-Te quantum dots with tunable near-IR emission toward optical applications. , 2018, , .		0
58	(Invited)ÂPreparation of Dumbbell-Shaped Nanocrystals Composed of ZnS-AgInS₂ Solid Solution and Their Photocatalytic H₂ Evolution Activity. ECS Meeting Abstracts, 2018, MA2018-01, 1886-1886.	0.0	0
59	Labeling and in vivo visualization of transplanted adipose tissue-derived stem cells with safe cadmium-free aqueous ZnS coating of ZnS-AgInS2 nanoparticles. Scientific Reports, 2017, 7, 40047.	1.6	31
60	Influence of Zn on the photoluminescence of colloidal (AgIn)_xZn_{2(1â^'x)}S₂ nanocrystals. Physical Chemistry Chemical Physics, 2017, 19, 3963-3969.	1.3	27
61	Enhancement of electrocatalytic activity of octahedral Au@Pt core-shell nanoparticles by the surface plasmon excitation. , 2017, , .		0
62	Plasmonic Au nano-needle fabricated by optical vortex laser illumination. , 2017, , .		0
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	Improvement of photoluminescence stability of ZnS-AgInS2 nanoparticles through interactions with ionic liquids. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 332, 371-375.	2.0	4
65	Nanostructure Engineering of Size-Quantized Semiconductor Particles for Photoelectrochemical Applications. Electrochemistry, 2017, 85, 534-542.	0.6	6
66	Controlling the Size and Chemical Composition of Multinary Semiconductor Nanocrystals for Improving Photochemical Functions. Hyomen Kagaku, 2017, 38, 18-23.	0.0	0
67	Intra- and inter-atomic optical transitions of Fe, Co, and Ni ferrocyanides studied using first-principles many-electron calculations. Journal of Applied Physics, 2016, 119, .	1.1	12
68	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
69	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
70	Controlling Shape Anisotropy of ZnSâ€“AgInS₂ Solid Solution Nanoparticles for Improving Photocatalytic Activity. ACS Applied Materials & Interfaces, 2016, 8, 27151-27161.	4.0	53
71	Single-step preparation of indium tin oxide nanocrystals dispersed in ionic liquids via oxidation of molten Inâ€“Sn alloys. Chemical Communications, 2016, 52, 12241-12244.	2.2	2
72	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

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73	<i>In situ</i> Electron Microscope Observation of Surface Chemical Reactions Using Ionic Liquid. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2016, 67, 79-83.	0.1	0
74	Temperature-independent formation of Au nanoparticles in ionic liquids by arc plasma deposition. Chemical Physics Letters, 2016, 658, 188-191.	1.2	7
75	Single-particle spectroscopy of Iâ€“IIIâ€“VI semiconductor nanocrystals: spectral diffusion and suppression of blinking by two-color excitation. Nanoscale, 2016, 8, 13687-13694.	2.8	24
76	Crystal phase-controlled synthesis of rod-shaped AgInTe₂nanocrystals for in vivo imaging in the near-infrared wavelength region. Nanoscale, 2016, 8, 5435-5440.	2.8	49
77	Electron Microscope Observation of Soft Materials Using Ionic Liquids. Hyomen Kagaku, 2015, 36, 195-200.	0.0	0
78	Synthesis of alloy AuCu nanoparticles with the L1₀ structure in an ionic liquid using sputter deposition. Dalton Transactions, 2015, 44, 4186-4194.	1.6	33
79	Single-step preparation of two-dimensionally organized gold particles via ionic liquid/metal sputter deposition. Physical Chemistry Chemical Physics, 2015, 17, 13150-13159.	1.3	26
80	Wavelength- and efficiency-tunable plasmon-induced charge separation by the use of Auâ€“Ag alloy nanoparticles. Physical Chemistry Chemical Physics, 2015, 17, 4042-4046.	1.3	30
81	Controlling the Electronic Energy Structure of ZnSâ€“AgInS₂ Solid Solution Nanocrystals for Photoluminescence and Photocatalytic Hydrogen Evolution. Journal of Physical Chemistry C, 2015, 119, 24740-24749.	1.5	122
82	Ultrathin oxide shell coating of metal nanoparticles using ionic liquid/metal sputtering. Journal of Materials Chemistry A, 2015, 3, 6177-6186.	5.2	37
83	Well-controlled synthesis of wurtzite-type Cu₂ZnSnS₄ nanoparticles using multiple sulfur sources via a two-step heating process. CrystEngComm, 2015, 17, 174-182.	1.3	10
84	Widely Controllable Electronic Energy Structure of ZnSeâ€“AgInSe₂ Solid Solution Nanocrystals for Quantum-Dot-Sensitized Solar Cells. Journal of Physical Chemistry C, 2014, 118, 29517-29524.	1.5	50
85	Photofunctional Materials Fabricated with Chalcopyrite-Type Semiconductor Nanoparticles Composed of AgInS₂ and Its Solid Solutions. Journal of Physical Chemistry Letters, 2014, 5, 336-347.	2.1	115
86	Atomic Resolution Imaging of Gold Nanoparticle Generation and Growth in Ionic Liquids. Journal of the American Chemical Society, 2014, 136, 13789-13797.	6.6	61
87	Light-induced saturation change in the angle-independent structural coloration of colloidal amorphous arrays. Journal of Materials Chemistry C, 2014, 2, 344-348.	2.7	37
88	Controllable electronic energy structure of size-controlled Cu₂ZnSnS₄nanoparticles prepared by a solution-based approach. Physical Chemistry Chemical Physics, 2014, 16, 672-675.	1.3	28
89	Visualization of Electrochemical Reactions by Redox-dependent Quenching of Photoluminescence from ZnS-AgInS2 Solid Solution Semiconductor Nanoparticles. Electrochemistry, 2014, 82, 338-340.	0.6	2
90	Sizeâ€Controlled Synthesis of Ag₈SnS₆ Nanocrystals for Efficient Photoenergy Conversion Systems Driven by Visible and Nearâ€IR Lights. Particle and Particle Systems Characterization, 2014, 31, 1122-1126.	1.2	10

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91	Three-dimensional micro/nano-scale structure fabricated by combination of non-volatile polymerizable RTIL and FIB irradiation. Scientific Reports, 2014, 4, 3722.	1.6	24
92	Colloidal Syntheses of Semiconductor Nanoparticles with Tunable Photoluminescence in Visible-Light Region and Their Application to Photo-functional Materials. Journal of the Japan Society of Colour Material, 2014, 87, 430-435.	0.0	0
93	Photoinduced Electron Transfer of ZnSâ€“AgInS2 Solid-Solution Semiconductor Nanoparticles: Emission Quenching and Photocatalytic Reactions Controlled by Electrostatic Forces. Journal of Physical Chemistry C, 2013, 117, 15667-15676.	1.5	18
94	Composition-Dependent Photoelectrochemical Properties of Nonstoichiometric Cu₂ZnSnS₄ Nanoparticles. Journal of Physical Chemistry C, 2013, 117, 21055-21063.	1.5	16
95	Composition-dependent electrocatalytic activity of AuPd alloy nanoparticles prepared via simultaneous sputter deposition into an ionic liquid. Physical Chemistry Chemical Physics, 2013, 15, 7286.	1.3	57
96	Theory for self-consistent interplay between light and nanomaterials strongly modified by metallic nanostructures. Physical Chemistry Chemical Physics, 2013, 15, 4214.	1.3	9
97	ZnSâ€“AgInS2 nanoparticles as a temperature sensor. Sensors and Actuators B: Chemical, 2013, 176, 505-508.	4.0	42
98	Plasmon-Enhanced Photoluminescence and Photocatalytic Activities of Visible-Light-Responsive ZnS-AgInS2 Solid Solution Nanoparticles. Journal of Physical Chemistry C, 2013, 117, 2511-2520.	1.5	51
99	Shape-controlled Synthesis of ZnSâ€“CuInS2â€“AgInS2 Solid Solution Nanoparticles and Their Photoluminescence Properties. Chemistry Letters, 2013, 42, 171-173.	0.7	3
100	1ï¼Žã‚ã‚³æ¶²ä½“ã‚¤ã‚ªãƒ³ã‚¿ãƒƒãƒ‰ã‚¿ãƒ³ã‚°ã‚¹ãƒ†ãƒ³é›»æ¥µã‚’ç”¨ã„ãŸã‚¿ãƒ³ã‚°ã‚¹ãƒ†ãƒ³ã®é›»æ°—åŒ–å¦ã€‘. Electrochemistry, 2013, 81, 636-640.	0.6	0
101	Adipose Tissue-Derived Stem Cell Imaging Using Cadmium-Free Quantum Dots. Cell Medicine, 2013, 6, 91-97.	5.0	14
102	Introduction of Ionic Liquid to Vacuum Conditions for Development of Material Productions and Analyses. Electrochemistry, 2012, 80, 498-503.	0.6	5
103	Solution-phase Synthesis of Stannite-type Ag2ZnSnS4 Nanoparticles for Application to Photoelectrode Materials. Chemistry Letters, 2012, 41, 1009-1011.	0.7	40
104	Platinum nanoparticle immobilization onto carbon nanotubes using Pt-sputtered room-temperature ionic liquid. RSC Advances, 2012, 2, 8262.	1.7	59
105	Photosensitization of ZnO rod electrodes with AgInS₂nanoparticles and ZnS-AgInS₂solid solution nanoparticles for solar cell applications. RSC Advances, 2012, 2, 552-559.	1.7	46
106	Tunable Photoelectrochemical Properties of Chalcopyrite AgInS₂ Nanoparticles Size-Controlled with a Photoetching Technique. Journal of Physical Chemistry C, 2012, 116, 21895-21902.	1.5	51
107	Compositional control of AuPt nanoparticles synthesized in ionic liquids by the sputter deposition technique. CrystEngComm, 2012, 14, 4922.	1.3	61
108	Size-dependent Photoelectrochemical Properties of Semiconducting Cu2ZnSnS4 Nanoparticles. ECS Meeting Abstracts, 2012, , .	0.0	0

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109	Tunable photoluminescence from the visible to near-infrared wavelength region of non-stoichiometric AgInS2 nanoparticles. Journal of Materials Chemistry, 2012, 22, 12851.	6.7	135
110	Photoinduced Electron Transfer between the Anionic Porphyrins and Viologens in Titania Nanosheets and Monodisperse Mesoporous Silica Hybrid Films. ACS Applied Materials & Interfaces, 2011, 3, 931-935.	4.0	35
111	Modulating the immobilization process of Au nanoparticles on TiO2(110) by electrostatic interaction between the surface and ionic liquids. Physical Chemistry Chemical Physics, 2011, 13, 13585.	1.3	12
112	Plasmon-Enhanced Photocatalytic Activity of Cadmium Sulfide Nanoparticle Immobilized on Silica-Coated Gold Particles. Journal of Physical Chemistry Letters, 2011, 2, 2057-2062.	2.1	183
113	Enhancement of Photocatalytic Activities of CdS Nanoparticles by the Immobilization on Au Particles. ECS Meeting Abstracts, 2011, , .	0.0	0
114	Fabrication of Nanoframe Structures by Site-selective Assembly of Gold Nanoparticles on Silver Cubes in an Ionic Liquid. Chemistry Letters, 2011, 40, 84-86.	0.7	14
115	Nanoscale Laser Processing of Hollow Silica Microbeads Assisted by Surface Plasmon Resonance of Gold Particles. Chemistry Letters, 2011, 40, 1411-1413.	0.7	1
116	Enhanced Photocurrent Generation in Layer-by-Layer-Assembled CdS Nanoparticle/Titania Nanosheet Multilayer Films. Electrochemistry, 2011, 79, 776-778.	0.6	3
117	One-Pot Synthesis of Water-Soluble Nanoparticles of ZnS-AgInS2 Solid Solution with Controllable Photoluminescence. Electrochemistry, 2011, 79, 790-792.	0.6	6
118	Long Term Optical Properties of ZnS-AgInS2 and AgInS2-AgGaS2 Solid-Solution Semiconductor Nanoparticles Dispersed in Polymer Matrices. Electrochemistry, 2011, 79, 813-816.	0.6	6
119	Surface-plasmon-enhanced photocurrent generation of CdTe nanoparticle/titania nanosheet composite layers on Au particulate films. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 221, 244-249.	2.0	8
120	Modification of excimer emission of perylene dye thin films by single silver nanocubes. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 221, 194-198.	2.0	4
121	Studies on Reaction Conditions for Size-selective Photoetching of Cadmium Telluride Nanocrystals. Electrochemistry, 2010, 78, 170-174.	0.6	0
122	Fabrication of Transition Metal Oxide Nanoparticles Highly Dispersed in Ionic Liquids by Sputter Deposition. Chemistry Letters, 2010, 39, 1072-1074.	0.7	20
123	Palladium Nanoparticles in Ionic Liquid by Sputter Deposition as Catalysts for Suzukiâ€“Miyaura Coupling in Water. Chemistry Letters, 2010, 39, 1069-1071.	0.7	43
124	Immobilization of ZnSâ€“AgInS2 Solid Solution Nanoparticles on ZnO Rod Array Electrodes and Their Photoresponse with Visible Light Irradiation. Chemistry Letters, 2010, 39, 619-621.	0.7	10
125	Sensing of protein adsorption with a porous bulk composite comprising silver nanoparticles deposited on hydroxyapatite. Journal of Materials Science: Materials in Medicine, 2010, 21, 1225-1232.	1.7	17
126	New Frontiers in Materials Science Opened by Ionic Liquids. Advanced Materials, 2010, 22, 1196-1221.	11.1	803

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127	Oxygen reduction catalytic ability of platinum nanoparticles prepared by room-temperature ionic liquid-sputtering method. Journal of Power Sources, 2010, 195, 5980-5985.	4.0	58
128	(Invited) Emission Quenching of Semiconductor Quantum Dots and its Application to Biosensing. ECS Transactions, 2010, 28, 257-266.	0.3	1
129	Carbon Composite with Pt Nanoparticles Prepared by Room-Temperature Ionic Liquid-Sputtering Method. ECS Transactions, 2010, 33, 127-133.	0.3	6
130	Preparation of Luminescent AgInS₂â"AgGaS₂ Solid Solution Nanoparticles and Their Optical Properties. Journal of Physical Chemistry Letters, 2010, 1, 3283-3287.	2.1	75
131	Nanosize-Controlled Syntheses of Indium Metal Particles and Hollow Indium Oxide Particles via the Sputter Deposition Technique in Ionic Liquids. Chemistry of Materials, 2010, 22, 5209-5215.	3.2	59
132	Room-Temperature Ionic Liquid. A New Medium for Material Production and Analyses under Vacuum Conditions. Journal of Physical Chemistry Letters, 2010, 1, 3177-3188.	2.1	144
133	Preparation and photoelectrochemical properties of densely immobilized Cu2ZnSnS4 nanoparticle films. Journal of Materials Chemistry, 2010, 20, 5319.	6.7	138
134	Remarkable photoluminescence enhancement of ZnSâ€"AgInS2 solid solution nanoparticles by post-synthesis treatment. Chemical Communications, 2010, 46, 2082.	2.2	149
135	Catalytic Activity and Regeneration Property of a Pd Nanoparticle Encapsulated in a Hollow Porous Carbon Sphere for Aerobic Alcohol Oxidation. Langmuir, 2010, 26, 17720-17725.	1.6	111
136	Size control and immobilization of gold nanoparticles stabilized in an ionic liquid on glass substrates for plasmonic applications. Physical Chemistry Chemical Physics, 2010, 12, 1804-1811.	1.3	60
137	Emission Quench of ZnS-AgInS₂ Semiconductor Nanocrystals and Its Application to Biosensors. ECS Transactions, 2009, 25, 141-150.	0.3	0
138	Photocatalytic electron flow through the interface of titania nanosheets and mesoporous silica hybrid films. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 207, 135-143.	2.0	7
139	Tuning of the fluorescence wavelength of CdTe quantum dots with 2 nm resolution by size-selective photoetching. Nanotechnology, 2009, 20, 215302.	1.3	40
140	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.	1.5	87
141	Stacked-structure-dependent photoelectrochemical properties of CdS nanoparticle/layered double hydroxide (LDH) nanosheet multilayer films prepared by layer-by-layer accumulation. Physical Chemistry Chemical Physics, 2009, 11, 5369.	1.3	48
142	Systematic Studies on Emission Quenching of Cadmium Telluride Nanoparticles. Journal of Physical Chemistry C, 2009, 113, 21621-21628.	1.5	24
143	Electrochemical deposition of gold frame structure on silver nanocubes. Chemical Communications, 2009, , 2917.	2.2	32
144	Emission quench of water-soluble ZnSâ€"AgInS2 solid solution nanocrystals and its application to chemosensors. Chemical Communications, 2009, , 7485.	2.2	42

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145	A Facile Synthesis of AuAg Alloy Nanoparticles Using a Chemical Reaction Induced by Sputter Deposition of Metal onto Ionic Liquids. Electrochemistry, 2009, 77, 636-638.	0.6	52
146	Electrocatalytic Activity of Platinum Nanoparticles Synthesized by Room-Temperature Ionic Liquid-Sputtering Method. Electrochemistry, 2009, 77, 693-695.	0.6	51
147	Hybridization of silver nanoparticles on hydroxyapatite in an aqueous solution. Journal of the Ceramic Society of Japan, 2009, 117, 294-298.	0.5	7
148	Thermally Induced Self-assembly of Gold Nanoparticles Sputter-deposited in Ionic Liquids on Highly Ordered Pyrolytic Graphite Surfaces. Chemistry Letters, 2009, 38, 330-331.	0.7	46
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