Ken-ichi Okazaki

List of Publications by Year
in descending order

53	3,600	236925 25	189892 50
papers	citations	h-index	g-index

55	55	55	4257
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	New Frontiers in Materials Science Opened by Ionic Liquids. Advanced Materials, 2010, 22, 1196-1221.	21.0	803
2	Sputter deposition onto ionic liquids: Simple and clean synthesis of highly dispersed ultrafine metal nanoparticles. Applied Physics Letters, 2006, 89, 243117.	3.3	352
3	Facile Synthesis of ZnSâ˜AgInS₂ Solid Solution Nanoparticles for a Color-Adjustable Luminophore. Journal of the American Chemical Society, 2007, 129, 12388-12389.	13.7	338
4	Single-step synthesis of goldâ€“silver alloy nanoparticles in ionic liquids by a sputter deposition technique. Chemical Communications, 2008, , 691-693.	4.1	198
5	Plasmon-Enhanced Photocatalytic Activity of Cadmium Sulfide Nanoparticle Immobilized on Silica-Coated Gold Particles. Journal of Physical Chemistry Letters, 2011, 2, 2057-2062.	4.6	183
6	Absolute potential of the Fermi level of isolated single-walled carbon nanotubes. Physical Review B, 2003, 68, .	3.2	151
7	Remarkable photoluminescence enhancement of ZnSâ€“AgInS2 solid solution nanoparticles by post-synthesis treatment. Chemical Communications, 2010, 46, 2082.	4.1	149
8	Preparation and photoelectrochemical properties of densely immobilized Cu2ZnSnS4 nanoparticle films. Journal of Materials Chemistry, 2010, 20, 5319.	6.7	138
9	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
10	Chargeâ€“Discharge Behavior of Bismuth in a Liquid Electrolyte for Rechargeable Batteries Based on a Fluoride Shuttle. ACS Energy Letters, 2017, 2, 1460-1464.	17.4	77
11	Self-Assembly of Ionic Liquid (BMI-PF₆)-Stabilized Gold Nanoparticles on a Silicon Surface: Chemical and Structural Aspects. Langmuir, 2008, 24, 7785-7792.	3.5	74
12	Photocatalytic syntheses of azoxybenzene by visible light irradiation of silica-coated cadmium sulfide nanocomposites. Chemical Communications, 2007, , 483.	4.1	68
13	Compositional control of AuPt nanoparticles synthesized in ionic liquids by the sputter deposition technique. CrystEngComm, 2012, 14, 4922.	2.6	61
14	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.	2.8	60
15	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.	6.7	59
16	Composition-dependent electrocatalytic activity of AuPd alloy nanoparticles prepared via simultaneous sputter deposition into an ionic liquid. Physical Chemistry Chemical Physics, 2013, 15, 7286.	2.8	57
17	Photochemical Fine-Tuning of Luminescent Color of Cadmium Selenide Nanoparticles:â€‰ Fabricating a Single-Source Multicolor Luminophore. Journal of Physical Chemistry B, 2006, 110, 13314-13318.	2.6	52
18	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.	1.4	52

#	Article	IF	Citations
19	Electrocatalytic Activity of Platinum Nanoparticles Synthesized by Room-Temperature Ionic Liquid-Sputtering Method. Electrochemistry, 2009, 77, 693-695.	1.4	51
20	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.	2.8	48
21	Thermally Induced Self-assembly of Gold Nanoparticles Sputter-deposited in Ionic Liquids on Highly Ordered Pyrolytic Graphite Surfaces. Chemistry Letters, 2009, 38, 330-331.	1.3	46
22	Photosensitization of ZnO rod electrodes with AgInS₂nanoparticles and ZnS-AgInS₂solid solution nanoparticles for solar cell applications. RSC Advances, 2012, 2, 552-559.	3.6	46
23	Electrochemical potential control of isolated single-walled carbon nanotubes on gold electrode. Electrochimica Acta, 2005, 50, 3069-3075.	5.2	41
24	Electrochemical deposition of gold frame structure on silver nanocubes. Chemical Communications, 2009, , 2917.	4.1	32
25	Fluoride-Ion Shuttle Battery with High Volumetric Energy Density. Chemistry of Materials, 2021, 33, 459-466.	6.7	31
26	Evolution of Reactions of a Fluoride Shuttle Battery at the Surfaces of BiF₃ Microclusters Studied by Inâ€…Situ Raman Microscopy. ChemSusChem, 2019, 12, 527-534.	6.8	23
27	Fabrication of Transition Metal Oxide Nanoparticles Highly Dispersed in Ionic Liquids by Sputter Deposition. Chemistry Letters, 2010, 39, 1072-1074.	1.3	20
28	Assessing Reaction Mechanisms of Graphite Negative Electrodes Based on Operando Synchrotron Radiation Diffraction Data. Journal of the Electrochemical Society, 2021, 168, 040509.	2.9	20
29	Characteristics of Raman features of isolated single-walled carbon nanotubes under electrochemical potential control. Surface Science, 2004, 566-568, 436-442.	1.9	19
30	Two-Phase Reaction Mechanism for Fluorination and Defluorination in Fluoride-Shuttle Batteries: A First-Principles Study. ACS Applied Materials & Interfaces, 2020, 12, 428-435.	8.0	19
31	Photoluminescence Enhancement of ZnSâ€“AgInS2 Solid Solution Nanoparticles Layer-by-layer-assembled in Inorganic Multilayer Thin Films. Chemistry Letters, 2008, 37, 700-701.	1.3	18
32	Improvement of Cycling Performance of FeF₃-Based Lithium-Ion Battery by Boron-Based Additives. Journal of the Electrochemical Society, 2016, 163, A1633-A1636.	2.9	16
33	Comprehensive elucidation of crystal structures of lithium-intercalated graphite. Carbon, 2019, 142, 513-517.	10.3	16
34	One-step Preparation and Photosensitivity of Size-quantized Cadmium Chalcogenide Nanoparticles Deposited on Porous Zinc Oxide Film Electrodes. Chemistry Letters, 2007, 36, 712-713.	1.3	15
35	Fabrication of Nanoframe Structures by Site-selective Assembly of Gold Nanoparticles on Silver Cubes in an Ionic Liquid. Chemistry Letters, 2011, 40, 84-86.	1.3	14
36	Interface structure between tetraglyme and graphite. Journal of Chemical Physics, 2017, 147, 124701.	3.0	13

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37	Evolution and Migration of Lithium-Deficient Phases during Electrochemical Delithiation of Large Single Crystals of LiFePO₄. ACS Applied Energy Materials, 2018, 1, 1140-1145.	5.1	13
38	Reactivity and Mechanisms in Fluoride Shuttle Battery Reactions: Difference between Orthorhombic and Cubic BiF₃ Single Microparticles. ACS Applied Energy Materials, 2019, 2, 8801-8808.	5.1	13
39	Photochemical Shape Control of Cadmium Sulfide Nanorods Coated with an Amorphous Silica Thin Layer. Journal of Nanoscience and Nanotechnology, 2009, 9, 506-513.	0.9	12
40	Photo-Induced Electron Migrations in the Nano-Cavities of Mesoporous Silica Sensitized by a Cationic Porphyrin Dye. Journal of Nanoscience and Nanotechnology, 2009, 9, 495-500.	0.9	10
41	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.	1.3	10
42	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.	3.9	8
43	Lithiumâ€Ion Transfer at Cathodeâ€Electrolyte Interface in Diluted Electrolytes Using Electrochemical Impedance Spectroscopy. ChemElectroChem, 2020, 7, 1644-1651.	3.4	8
44	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.	3.9	7
45	Analysis of Intercalation/De-Intercalation of Li Ions Into/From Graphite at 0 Â°C via Operando Synchrotron X-ray Diffraction. Journal of the Electrochemical Society, 2021, 168, 090515.	2.9	7
46	One-Pot Synthesis of Water-Soluble Nanoparticles of ZnS-AgInS2 Solid Solution with Controllable Photoluminescence. Electrochemistry, 2011, 79, 790-792.	1.4	6
47	Modification of excimer emission of perylene dye thin films by single silver nanocubes. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 221, 194-198.	3.9	4
48	Enhanced Photocurrent Generation in Layer-by-Layer-Assembled CdS Nanoparticle/Titania Nanosheet Multilayer Films. Electrochemistry, 2011, 79, 776-778.	1.4	3
49	Microscopic Structure of Separately Accommodated Porphyrins and Viologens in Mesoporous Silica and Titania Nanosheet Hybrid Films. Transactions of the Materials Research Society of Japan, 2007, 32, 449-452.	0.2	3
50	Nanoscale Laser Processing of Hollow Silica Microbeads Assisted by Surface Plasmon Resonance of Gold Particles. Chemistry Letters, 2011, 40, 1411-1413.	1.3	1
51	Enhancement of Photocatalytic Activities of CdS Nanoparticles by the Immobilization on Au Particles. ECS Meeting Abstracts, 2011, , .	0.0	0
52	Li 2 NbO 3 â€“Li 2 MnO 3 Pseudoâ€Binary Compounds Crystallizing into Distorted Rocksalt Structures. Physica Status Solidi (B): Basic Research, 2019, 256, 1900003.	1.5	0
53	Hysteresis of the charge transfer resistance between the charge and discharge processes obtained from electrochemical impedance measurements using a thin-film cathode for a lithium-ion cell. Journal of Electroanalytical Chemistry, 2021, 899, 115675.	3.8	0