

Seiji Yamazoe

List of Publications by Year in Descending Order

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

148
papers

4,041
citations

33
h-index

57
g-index

168
ext. papers

4,731
ext. citations

5.9
avg, IF

5.78
L-index

#	Paper	IF	Citations
148	Synthesis of active, robust and cationic Au cluster catalysts on double metal hydroxide by long-term oxidative aging of Au(SR).. <i>Nanoscale</i> , 2022 ,	7.7	4
147	Structure-Stability Relationship of Amorphous IrO ₂ /Ta ₂ O ₅ Electrocatalysts on Ti Felt for Oxygen Evolution in Sulfuric Acid. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 1817-1827	3.8	0
146	Inter-element miscibility driven stabilization of ordered pseudo-binary alloy.. <i>Nature Communications</i> , 2022 , 13, 1047	17.4	1
145	Support-Boosted Nickel Phosphide Nanoalloy Catalysis in the Selective Hydrogenation of Maltose to Maltitol. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 6347-6354	8.3	3
144	Single-Crystal Cobalt Phosphide Nanorods as a High-Performance Catalyst for Reductive Amination of Carbonyl Compounds. <i>Jacs Au</i> , 2021 , 1, 501-507		7
143	Observation of Adsorbed Hydrogen Species on Supported Metal Catalysts by Inelastic Neutron Scattering. <i>Topics in Catalysis</i> , 2021 , 64, 660-671	2.3	0
142	Methane coupling and hydrogen evolution induced by palladium-loaded gallium oxide photocatalysts in the presence of water vapor. <i>Journal of Catalysis</i> , 2021 , 397, 192-200	7.3	9
141	A nickel phosphide nanoalloy catalyst for the C-3 alkylation of oxindoles with alcohols. <i>Scientific Reports</i> , 2021 , 11, 10673	4.9	2
140	A Molecular Hybrid of an Atomically Precise Silver Nanocluster and Polyoxometalates for H ₂ Cleavage into Protons and Electrons. <i>Angewandte Chemie</i> , 2021 , 133, 17131-17135	3.6	1
139	Synthesis and Isolation of an Anionic Bis(dipyrido-annulated) N-Heterocyclic Carbene CCC-Pincer Iridium(III) Complex by Facile C-H Bond Activation. <i>Inorganic Chemistry</i> , 2021 , 60, 9970-9976	5.1	0
138	A Molecular Hybrid of an Atomically Precise Silver Nanocluster and Polyoxometalates for H ₂ Cleavage into Protons and Electrons. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 16994-16998	16.4	7
137	Innentitelbild: Creation of High-Performance Heterogeneous Photocatalysts by Controlling Ligand Desorption and Particle Size of Gold Nanocluster (Angew. Chem. 39/2021). <i>Angewandte Chemie</i> , 2021 , 133, 21242-21242	3.6	
136	Base Catalysis of Sodium Salts of [Ta ₆ Nb _x O ₁₉] ₈ Mixed-Oxide Clusters. <i>Symmetry</i> , 2021 , 13, 1267	2.7	2
135	Ni P Nanoalloy as an Air-Stable and Versatile Hydrogenation Catalyst in Water: P-Alloying Strategy for Designing Smart Catalysts. <i>Chemistry - A European Journal</i> , 2021 , 27, 4439-4446	4.8	8
134	Identification of hydrogen species on Pt/Al ₂ O ₃ by in situ inelastic neutron scattering and their reactivity with ethylene. <i>Catalysis Science and Technology</i> , 2021 , 11, 116-123	5.5	4
133	Autopolymerization of 2-bromo-3-methoxythiophene, analysis of reaction products and estimation of polymer structure. <i>Polymer Journal</i> , 2021 , 53, 429-438	2.7	1
132	Silylene-Bridged Tetranuclear Palladium Cluster as a Catalyst for Hydrogenation of Alkenes and Alkynes. <i>ChemCatChem</i> , 2021 , 13, 169-173	5.2	3

131	Effect of Ligand on the Electronic State of Gold in Ligand-Protected Gold Clusters Elucidated by X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 3143-3149	3.8	3
130	Hydrosilylation of carbonyls over electron-enriched Ni sites of intermetallic compound NiGa heterogeneous catalyst. <i>Chemical Communications</i> , 2021 , 57, 4239-4242	5.8	1
129	Air-Stable and Reusable Cobalt Phosphide Nanoalloy Catalyst for Selective Hydrogenation of Furfural Derivatives. <i>ACS Catalysis</i> , 2021 , 11, 750-757	13.1	20
128	Formation of Mixed-Valence Luminescent Silver Clusters via Cation-Coupled Electron-Transfer in a Redox-Active Ionic Crystal Based on a Dawson-type Polyoxometalate with Closed Pores. <i>European Journal of Inorganic Chemistry</i> , 2021 , 2021, 1531-1535	2.3	3
127	Creation of High-Performance Heterogeneous Photocatalysts by Controlling Ligand Desorption and Particle Size of Gold Nanocluster. <i>Angewandte Chemie</i> , 2021 , 133, 21510-21520	3.6	2
126	Creation of High-Performance Heterogeneous Photocatalysts by Controlling Ligand Desorption and Particle Size of Gold Nanocluster. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 21340-21350	16.4	17
125	Thermal stability of crown-motif [Au(PPh)] and [MAu(PPh)] (M = Pd, Pt) clusters: Effects of gas composition, single-atom doping, and counter anions. <i>Journal of Chemical Physics</i> , 2021 , 155, 044307	3.9	0
124	Hydrotalcite-Supported Cobalt Phosphide Nanorods as a Highly Active and Reusable Heterogeneous Catalyst for Ammonia-Free Selective Hydrogenation of Nitriles to Primary Amines. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 11238-11246	8.3	2
123	Simple and high-yield preparation of carbon-black-supported ~1 nm platinum nanoclusters and their oxygen reduction reactivity. <i>Nanoscale</i> , 2021 , 13, 14679-14687	7.7	4
122	Air-stable and reusable nickel phosphide nanoparticle catalyst for the highly selective hydrogenation of D-glucose to D-sorbitol. <i>Green Chemistry</i> , 2021 , 23, 2010-2016	10	11
121	Self-activated Rh-Zr mixed oxide as a nonhazardous cocatalyst for photocatalytic hydrogen evolution. <i>Chemical Science</i> , 2020 , 11, 6862-6867	9.4	8
120	Single-atom Pt in intermetallics as an ultrastable and selective catalyst for propane dehydrogenation. <i>Nature Communications</i> , 2020 , 11, 2838	17.4	76
119	Active, Selective, and Durable Catalyst for Alkane Dehydrogenation Based on a Well-Designed Trimetallic Alloy. <i>ACS Catalysis</i> , 2020 , 10, 5163-5172	13.1	20
118	Activation of Water-Splitting Photocatalysts by Loading with Ultrafine Rh ₃ Zr Mixed-Oxide Cocatalyst Nanoparticles. <i>Angewandte Chemie</i> , 2020 , 132, 7142-7148	3.6	2
117	Activation of Water-Splitting Photocatalysts by Loading with Ultrafine Rh-Cr Mixed-Oxide Cocatalyst Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 7076-7082	16.4	27
116	Electron Microscopic Observation of an Icosahedral Au ₁₃ Core in Au ₂₅ (SePh) ₁₈ and Reversible Isomerization between Icosahedral and Face-Centered Cubic Cores in Au ₁₄₄ (SC ₂ H ₄ Ph) ₆₀ . <i>Journal of Physical Chemistry C</i> , 2020 , 124, 6907-6912	3.8	12
115	CdTe quantum dots modified electrodes ITO-(Polycation/QDs) for carbon dioxide reduction to methanol. <i>Applied Surface Science</i> , 2020 , 509, 145386	6.7	3
114	Base Catalytic Activity of [Nb ₁₀ O ₂₈] ⁶⁻ Effect of Counteranions. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 10975-10980	3.8	5

113	Alumina-supported Pt ₁₇ cluster: controlled loading, geometrical structure, and size-specific catalytic activity for carbon monoxide and propylene oxidation. <i>Nanoscale Advances</i> , 2020 , 2, 669-678	5.1	11
112	Synthesis and Structural Analysis of Four Coordinate (Arylimido)niobium(V) Dimethyl Complexes Containing Phenoxide Ligand: MAO-Free Ethylene Polymerization by the Cationic Nb(V) Methyl Complex. <i>Organometallics</i> , 2020 , 39, 3742-3758	3.8	1
111	Nickel phosphide nanoalloy catalyst for the selective deoxygenation of sulfoxides to sulfides under ambient H pressure. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 8827-8833	3.9	9
110	xTunes: A new XAS processing tool for detailed and on-the-fly analysis. <i>Radiation Physics and Chemistry</i> , 2020 , 175, 108270	2.5	21
109	Surface Modification of PdZn Nanoparticles via Galvanic Replacement for the Selective Hydrogenation of Terminal Alkynes. <i>ACS Applied Nano Materials</i> , 2019 , 2, 3307-3314	5.6	16
108	Atomic-Level Understanding of the Effect of Heteroatom Doping of the Cocatalyst on Water-Splitting Activity in AuPd or AuPt Alloy Cluster-Loaded BaLa ₄ Ti ₄ O ₁₅ . <i>ACS Applied Energy Materials</i> , 2019 , 2, 4175-4187	6.1	37
107	XAS Analysis of Reactions of (Arylimido)vanadium(V) Dichloride Complexes Containing Anionic NHC That Contains a Weakly Coordinating B(CF) Moiety (WCA-NHC) or Phenoxide Ligands with Al Alkyls: A Potential Ethylene Polymerization Catalyst with WCA-NHC Ligands. <i>ACS Omega</i> , 2019 , 4, 18833-18845	3.9	21
106	Solution XAS Analysis for Exploring Active Species in Syndiospecific Styrene Polymerization and 1-Hexene Polymerization Using Half-Titanocene/MAO Catalysts: Significant Changes in the Oxidation State in the Presence of Styrene. <i>Organometallics</i> , 2019 , 38, 4497-4507	3.8	11
105	Direct observation of catalytically active species in reaction solution by X-ray absorption spectroscopy (XAS). <i>Japanese Journal of Applied Physics</i> , 2019 , 58, 100502	1.4	4
104	Structural analysis of Cu(In,Ga)Se ₂ thin-films by depth-resolved XAFS. <i>Japanese Journal of Applied Physics</i> , 2019 , 58, 105502	1.4	1
103	X-ray Absorption Spectroscopy on Atomically Precise Metal Clusters. <i>Bulletin of the Chemical Society of Japan</i> , 2019 , 92, 193-204	5.1	28
102	Au ₂₅ -Loaded BaLa ₄ Ti ₄ O ₁₅ Water-Splitting Photocatalyst with Enhanced Activity and Durability Produced Using New Chromium Oxide Shell Formation Method. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 13669-13681	3.8	45
101	Gold Ultrathin Nanorods with Controlled Aspect Ratios and Surface Modifications: Formation Mechanism and Localized Surface Plasmon Resonance. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6640-6647	16.4	44
100	Solution XAS Analysis for Exploring the Active Species in Homogeneous Vanadium Complex Catalysis. <i>Journal of the Physical Society of Japan</i> , 2018 , 87, 061014	1.5	13
99	Doping a Single Palladium Atom into Gold Superatoms Stabilized by PVP: Emergence of Hydrogenation Catalysis. <i>Topics in Catalysis</i> , 2018 , 61, 136-141	2.3	23
98	Dynamic Behavior of Rh Species in Rh/AlO Model Catalyst during Three-Way Catalytic Reaction: An Operando X-ray Absorption Spectroscopy Study. <i>Journal of the American Chemical Society</i> , 2018 , 140, 176-184	16.4	29
97	Solution XAS Analysis of Various (Imido)vanadium(V) Dichloride Complexes Containing Monodentate Anionic Ancillary Donor Ligands: Effect of Aluminium Cocatalyst in Ethylene/Norbornene (Co)polymerization. <i>Journal of the Japan Petroleum Institute</i> , 2018 , 61, 282-287	1	9
96	Superior Base Catalysis of Group 5 Hexametalates [M ₆ O ₁₉] ₈ (M = Ta, Nb) over Group 6 Hexametalates [M ₆ O ₁₉] ₂ (M = Mo, W). <i>Journal of Physical Chemistry C</i> , 2018 , 122, 29398-29404	3.8	18

95	An Au ₂₅ (SR) ₁₈ Cluster with a Face-Centered Cubic Core. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 13199-13204	3.8	24
94	Prominent hydrogenation catalysis of a PVP-stabilized Au superatom provided by doping a single Rh atom. <i>Chemical Communications</i> , 2018 , 54, 5915-5918	5.8	23
93	Synthesis of (Adamantylimido)vanadium(V) Dimethyl Complex Containing (2-Anilidomethyl)pyridine Ligand and Selected Reactions: Exploring the Oxidation State of the Catalytically Active Species in Ethylene Dimerization. <i>Organometallics</i> , 2017 , 36, 530-542	3.8	26
92	Structural Model of Ultrathin Gold Nanorods Based on High-Resolution Transmission Electron Microscopy: Twinned 1D Oligomers of Cuboctahedrons. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 10942-10947	3.8	27
91	Hydrogen-Mediated Electron Doping of Gold Clusters As Revealed by In Situ X-ray and UV-vis Absorption Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 2368-2372	6.4	22
90	Suppressing Isomerization of Phosphine-Protected Au Cluster by Bond Stiffening Induced by a Single Pd Atom Substitution. <i>Inorganic Chemistry</i> , 2017 , 56, 8319-8325	5.1	39
89	Lewis Base Catalytic Properties of [Nb O] for CO Fixation to Epoxide: Kinetic and Theoretical Studies. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 1635-1640	4.5	14
88	Monodisperse Iridium Clusters Protected by Phenylacetylene: Implication for Size-Dependent Evolution of Binding Sites. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 10936-10941	3.8	14
87	A gold superatom with 10 electrons in Au ₁₃ (PPh ₃) ₈ (p-SC ₆ H ₄ CO ₂ H) ₃ . <i>APL Materials</i> , 2017 , 5, 053402	5.7	9
86	Anion photoelectron spectroscopy of free [Au(SCH)]. <i>Nanoscale</i> , 2017 , 9, 13409-13412	7.7	32
85	Synthesis and Structural Analysis of (Imido)vanadium Dichloride Complexes Containing 2-(2-Benzimidazolyl)pyridine Ligands: Effect of Al Cocatalyst for Efficient Ethylene (Co)polymerization. <i>ACS Omega</i> , 2017 , 2, 8660-8673	3.9	21
84	Repeated appearance and disappearance of localized surface plasmon resonance in 1.2 nm gold clusters induced by adsorption and desorption of hydrogen atoms. <i>Nanoscale</i> , 2016 , 8, 2544-7	7.7	20
83	Tuning the electronic structure of thiolate-protected 25-atom clusters by co-substitution with metals having different preferential sites. <i>Dalton Transactions</i> , 2016 , 45, 18064-18068	4.3	41
82	Halogen adsorbates on polymer-stabilized gold clusters: Mass spectrometric detection and effects on catalysis. <i>Chinese Journal of Catalysis</i> , 2016 , 37, 1656-1661	11.3	11
81	Selective and High-Yield Synthesis of Oblate Superatom [PdAu ₈ (PPh ₃) ₈] ²⁺ . <i>ChemElectroChem</i> , 2016 , 3, 1190-1190	4.3	0
80	Photoinduced topographical changes on microcrystalline surfaces of diarylethenes. <i>CrystEngComm</i> , 2016 , 18, 7229-7235	3.3	10
79	Hierarchy of bond stiffnesses within icosahedral-based gold clusters protected by thiolates. <i>Nature Communications</i> , 2016 , 7, 10414	17.4	118
78	Application of group V polyoxometalate as an efficient base catalyst: a case study of decaniobate clusters. <i>RSC Advances</i> , 2016 , 6, 16239-16242	3.7	18

77	The electrooxidation-induced structural changes of gold di-superatomic molecules: Au ₂₃ vs. Au ₂₅ . <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 4822-7	3.6	12
76	Selective and High-Yield Synthesis of Oblate Superatom [PdAu ₈ (PPh ₃) ₈] ²⁺ . <i>ChemElectroChem</i> , 2016 , 3, 1206-1211	4.3	15
75	Rayleigh Instability and Surfactant-Mediated Stabilization of Ultrathin Gold Nanorods. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 17006-17010	3.8	20
74	Partially oxidized iridium clusters within dendrimers: size-controlled synthesis and selective hydrogenation of 2-nitrobenzaldehyde. <i>Nanoscale</i> , 2016 , 8, 11371-4	7.7	27
73	Controlled Synthesis of Carbon-Supported Gold Clusters for Rational Catalyst Design. <i>Chemical Record</i> , 2016 , 16, 2338-2348	6.6	33
72	Synthesis and Catalytic Application of Ag ₄₄ Clusters Supported on Mesoporous Carbon. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 27483-27488	3.8	49
71	Slow-Reduction Synthesis of a Thiolate-Protected One-Dimensional Gold Cluster Showing an Intense Near-Infrared Absorption. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7027-30	16.4	56
70	Photoinduced cytotoxicity of a photochromic diarylethene via caspase cascade activation. <i>Chemical Communications</i> , 2015 , 51, 10957-60	5.8	15
69	A critical size for emergence of nonbulk electronic and geometric structures in dodecanethiolate-protected Au clusters. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1206-12	16.4	271
68	Nonscalable oxidation catalysis of gold clusters. <i>Accounts of Chemical Research</i> , 2014 , 47, 816-24	24.3	449
67	A twisted bi-icosahedral Au(25) cluster enclosed by bulky arenethiolates. <i>Chemical Communications</i> , 2014 , 50, 839-41	5.8	40
66	Preferential Location of Coinage Metal Dopants (M = Ag or Cu) in [Au ₂₅ M _x (SC ₂ H ₄ Ph) ₁₈] ^{x-} (x ~ 1) As Determined by Extended X-ray Absorption Fine Structure and Density Functional Theory Calculations. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 25284-25290	3.8	80
65	Crystallographic and optical properties of CuInSe ₂ /ZnSe system. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 05FW07	1.4	8
64	Thiolate-Mediated Selectivity Control in Aerobic Alcohol Oxidation by Porous Carbon-Supported Au ₂₅ Clusters. <i>ACS Catalysis</i> , 2014 , 4, 3696-3700	13.1	133
63	Selective Hydrogenation of 4-Nitrobenzaldehyde to 4-Aminobenzaldehyde by Colloidal RhCu Bimetallic Nanoparticles. <i>Topics in Catalysis</i> , 2014 , 57, 1049-1053	2.3	14
62	Surface plasmon resonance in gold ultrathin nanorods and nanowires. <i>Journal of the American Chemical Society</i> , 2014 , 136, 8489-91	16.4	64
61	Au ₂₅ Clusters Containing Unoxidized Tellurolates in the Ligand Shell. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 2072-6	6.4	46
60	Low-Temperature Synthesis of Perovskite-Type (Na,K)NbO ₃ through Nb ₆ O ₁₉ Clusters by Dissolution-Precipitation Method. <i>Bulletin of the Chemical Society of Japan</i> , 2014 , 87, 746-750	5.1	1

59	CHAPTER 10: Metal Clusters in Catalysis. <i>RSC Smart Materials</i> , 2014 , 291-322	0.6	2
58	Selenolate-Protected Au ₃₈ Nanoclusters: Isolation and Structural Characterization. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 3181-3185	6.4	68
57	Phase transition of ferroelectric (Li _x Na _{1-x})NbO ₃ films with 0 ≤ x ≤ 0.13 by applying an electric field. <i>Applied Physics Letters</i> , 2013 , 102, 112909	3.4	8
56	Formation of a ₁₂ Superatomic Core in Au ₂₄ Pd ₁ (SC ₁₂ H ₂₅) ₁₈ Probed by ¹⁹⁷ Au MBSbauer and Pd K-Edge EXAFS Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 3579-3583	6.4	80
55	Fabrication of Transparent Pb(Mg _{1/3} Nb _{2/3})O ₃ /PbTiO ₃ Based Ceramics by Conventional Sintering. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 3782-3787	3.8	18
54	Laser scanning microscopy observation of domain switching in NaNbO ₃ epitaxial film 2013 ,		1
53	Temperature dependence of the photoinduced micro-crystalline surface topography of a diarylethene. <i>CrystEngComm</i> , 2013 , 15, 8400	3.3	9
52	Binding motif of terminal alkynes on gold clusters. <i>Journal of the American Chemical Society</i> , 2013 , 135, 9450-7	16.4	141
51	Photoinduced self-epitaxial crystal growth of a diarylethene derivative with antireflection moth-eye and superhydrophobic lotus effects. <i>Langmuir</i> , 2013 , 29, 8164-9	4	25
50	Dendrimer-Encapsulated Copper Cluster as a Chemoselective and Regenerable Hydrogenation Catalyst. <i>ACS Catalysis</i> , 2013 , 3, 182-185	13.1	69
49	Fabrication of lead-free piezoelectric NaNbO ₃ ceramics at low temperature using NaNbO ₃ nanoparticles synthesized by solvothermal method. <i>Journal of the Ceramic Society of Japan</i> , 2013 , 121, 116-119	1	10
48	Selective Hydrogenation of Nitroaromatics by Colloidal Iridium Nanoparticles. <i>Chemistry Letters</i> , 2013 , 42, 1023-1025	1.7	17
47	Needle-like NaNbO ₃ Synthesis via Nb ₆ O ₁₉ Cluster Using Na ₃ NbO ₄ Precursor by Dissolution/Reprecipitation Method. <i>Chemistry Letters</i> , 2013 , 42, 380-382	1.7	11
46	Preparation of needle- and plate-like NaTaO ₃ by molten NaOH method. <i>Journal of the Ceramic Society of Japan</i> , 2013 , 121, 109-112	1	3
45	The Effects of Charges at the N- and C-Termini of Short Peptides on Their Secondary and Self-assembled Structures. <i>Chemistry Letters</i> , 2012 , 41, 549-551	1.7	5
44	Structural and Optical Properties of In-Free Cu ₂ ZnSn(S,Se) ₄ Solar Cell Materials. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 10NC29	1.4	12
43	Photoinduced Reversible Heteroepitaxial Microcrystal Growth of a Photochromic Diarylethene on (110) Surface of SrTiO ₃ . <i>Crystal Growth and Design</i> , 2012 , 12, 1464-1468	3.5	9
42	Photoinduced formation of superhydrophobic surface on which contact angle of a water droplet exceeds 170° by reversible topographical changes on a diarylethene microcrystalline surface. <i>Langmuir</i> , 2012 , 28, 17817-24	4	30

41	Laser beam scanning microscope and piezoresponse force microscope studies on domain structured in 001-, 110-, and 111-oriented NaNbO ₃ films. <i>Journal of Applied Physics</i> , 2012 , 112, 052007	2.5	23
40	A new binding motif of sterically demanding thiolates on a gold cluster. <i>Journal of the American Chemical Society</i> , 2012 , 134, 14295-7	16.4	105
39	Wide Band Gap and p-Type Conductive BaCuSeF Thin Films Fabricated by Pulsed Laser Deposition. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 10NC40	1.4	6
38	Structural Study of Cu-Deficient Cu ₂ (1-x)ZnSnSe ₄ Solar Cell Materials by X-ray Diffraction and X-ray Absorption Fine Structure. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 10NC28	1.4	4
37	Fabrication of 100-Oriented (Na _{0.5} K _{0.5})NbO ₃ BaZrO ₃ (Bi _{0.5} Li _{0.5})TiO ₃ Films on Si Substrate Using LaNiO ₃ Layer. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 09LA06	1.4	2
36	Structural Study of Cu-Deficient Cu ₂ (1-x)ZnSnSe ₄ Solar Cell Materials by X-ray Diffraction and X-ray Absorption Fine Structure. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 10NC28	1.4	12
35	Wide Band Gap and p-Type Conductive BaCuSeF Thin Films Fabricated by Pulsed Laser Deposition. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 10NC40	1.4	4
34	Synthetic Mechanism of Perovskite-Type KNbO ₃ by Modified Solid-State Reaction Process. <i>Chemistry of Materials</i> , 2011 , 23, 4498-4504	9.6	23
33	Wide band gap and p-type conductive CuNbO ₃ films. <i>Physica Status Solidi - Rapid Research Letters</i> , 2011 , 5, 153-155	2.5	9
32	Intermolecular Coupling of Alkynes with Acrylates by Recyclable Oxide-Supported Ruthenium Catalysts: Formation of Distorted Ruthenium(IV)-oxo Species on Ceria as a Key Precursor of Active Species. <i>Advanced Synthesis and Catalysis</i> , 2011 , 353, 2837-2843	5.6	22
31	Ceria-supported ruthenium catalysts for the synthesis of indole via dehydrogenative N-heterocyclization. <i>Catalysis Science and Technology</i> , 2011 , 1, 1340	5.5	30
30	Reversible photocontrol of surface wettability between hydrophilic and superhydrophobic surfaces on an asymmetric diarylethene solid surface. <i>Langmuir</i> , 2011 , 27, 6395-400	4	61
29	Fabrication of (K,Na)NbO ₃ thin films on Si substrate by pulsed laser deposition 2011 ,		1
28	Structural Analysis of Group V, VI, and VII Metal Compounds by XAFS. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 23653-23663	3.8	35
27	Fabrication of Lead-Free (Na _{0.5} K _{0.5})NbO ₃ BaZrO ₃ (Bi _{0.5} Li _{0.5})TiO ₃ Ferroelectric Thin Films on (111)Pt/Ti/SiO ₂ /(100)Si Substrate by Pulsed Laser Deposition. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 09NA07	1.4	4
26	A structural study of CuInBe compounds by x-ray absorption fine structure. <i>Journal of Materials Research</i> , 2011 , 26, 1504-1516	2.5	33
25	Fabrication of Lead-Free (Na _{0.5} K _{0.5})NbO ₃ BaZrO ₃ (Bi _{0.5} Li _{0.5})TiO ₃ Ferroelectric Thin Films on (111)Pt/Ti/SiO ₂ /(100)Si Substrate by Pulsed Laser Deposition. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 09NA07	1.4	1
24	Ferroelectric and antiferroelectric properties of AgNbO ₃ films fabricated on (001), (110), and (111)SrTiO ₃ substrates by pulsed laser deposition. <i>Applied Physics Letters</i> , 2010 , 97, 042901	3.4	12

23	Ferroelectric Properties of (Na _{0.5} K _{0.5})NbO ₃ -BaZrO ₃ (Bi _{0.5} Li _{0.5})TiO ₃ Thin Films Deposited on Pt/(001)MgO Substrate by Pulsed Laser Deposition. <i>Japanese Journal of Applied Physics</i> , 2010 , 49, 09MA06	1.4	15
22	Investigation of the formation process of photodeposited Rh nanoparticles on TiO ₂ by in situ time-resolved energy-dispersive XAFS analysis. <i>Langmuir</i> , 2010 , 26, 13907-12	4	27
21	Observation of domain structure in 001 orientated NaNbO ₃ films deposited on (001)SrTiO ₃ substrates by laser beam scanning microscopy. <i>Applied Physics Letters</i> , 2010 , 96, 092901	3.4	21
20	Preparation of needle-like NaNbO ₃ by molten NaOH method. <i>Journal of the Ceramic Society of Japan</i> , 2010 , 118, 741-744	1	9
19	Phototunable Diarylethene Microcrystalline Surfaces: Lotus and Petal Effects upon Wetting. <i>Angewandte Chemie</i> , 2010 , 122, 6078-6080	3.6	7
18	Phototunable diarylethene microcrystalline surfaces: lotus and petal effects upon wetting. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 5942-4	16.4	99
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