Takayuki Hirai

List of Publications by Year
in descending order

134	9,089	46984 47	42364 92
papers	citations	h-index	g-index

138	138	138	8278
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrogen peroxide splitting on Nafion-coated graphene quantum dots/carbon nitride photocatalysts. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 430, 113949.	2.0	1
2	Thermodynamic Properties of Tetra-n-butylphosphonium Dicarboxylate Semiclathrate Hydrates. Journal of Chemical & Engineering Data, 2022, 67, 67-73.	1.0	7
3	Photocatalytic Dinitrogen Fixation with Water on High-Phosphorus-Doped Carbon Nitride with Surface Nitrogen Vacancies. Langmuir, 2022, 38, 7137-7145.	1.6	5
4	Equilibrium Phase Relations and Dissociation Enthalpies of Tri-n-butylalkenylphosphonium Bromide Semiclathrate Hydrates. Journal of Chemical & Engineering Data, 2022, 67, 1415-1420.	1.0	6
5	Polythiophene-Doped Resorcinolâ€“Formaldehyde Resin Photocatalysts for Solar-to-Hydrogen Peroxide Energy Conversion. Journal of the American Chemical Society, 2021, 143, 12590-12599.	6.6	96
6	Spontaneous Isomerization of a Hydroxynaphthalene-Containing Spiropyran in Polar Solvents Enhanced by Hydrogen Bonding Interactions. ACS Omega, 2021, 6, 35619-35628.	1.6	4
7	Photocatalytic Dinitrogen Reduction with Water on Boron-Doped Carbon Nitride Loaded with Nickel Phosphide Particles. Langmuir, 2020, 36, 734-741.	1.6	27
8	Solar-to-hydrogen peroxide energy conversion on resorcinolâ€“formaldehyde resin photocatalysts prepared by acid-catalysed polycondensation. Communications Chemistry, 2020, 3, .	2.0	55
9	A Naphthalimideâ€“Sulfonylhydrazine Conjugate as a Fluorescent Chemodosimeter for Hypochlorite. Chemosensors, 2020, 8, 123.	1.8	12
10	Photocatalytic hydrogen peroxide splitting on metal-free powders assisted by phosphoric acid as a stabilizer. Nature Communications, 2020, 11, 3386.	5.8	65
11	Photocatalytic NH₃ Splitting on TiO₂ Particles Decorated with Ptâ€“Au Bimetallic Alloy Nanoparticles. ACS Applied Nano Materials, 2020, 3, 1612-1620.	2.4	31
12	Photocatalytic Dinitrogen Fixation with Water on Bismuth Oxychloride in Chloride Solutions for Solar-to-Chemical Energy Conversion. Journal of the American Chemical Society, 2020, 142, 7574-7583.	6.6	140
13	Resorcinolâ€“formaldehyde resins as metal-free semiconductor photocatalysts for solar-to-hydrogen peroxide energy conversion. Nature Materials, 2019, 18, 985-993.	13.3	429
14	A coumarinâ€“dihydroperimidine dye as a fluorescent chemosensor for hypochlorite in 99% water. RSC Advances, 2019, 9, 28636-28641.	1.7	21
15	Hydrogen Peroxide Production on a Carbon Nitrideâ€“Boron Nitrideâ€Reduced Graphene Oxide Hybrid Photocatalyst under Visible Light. ChemCatChem, 2018, 10, 2070-2077.	1.8	97
16	Nitrogen Fixation with Water on Carbon-Nitride-Based Metal-Free Photocatalysts with 0.1% Solar-to-Ammonia Energy Conversion Efficiency. ACS Applied Energy Materials, 2018, 1, 4169-4177.	2.5	103
17	Photoreductive synthesis of monodispersed Au nanoparticles with citric acid as reductant and surface stabilizing reagent. RSC Advances, 2017, 7, 6187-6192.	1.7	41
18	Selective Nitrate-to-Ammonia Transformation on Surface Defects of Titanium Dioxide Photocatalysts. ACS Catalysis, 2017, 7, 3713-3720.	5.5	150

#	Article	IF	Citations
19	Titanium Dioxide/Reduced Graphene Oxide Hybrid Photocatalysts for Efficient and Selective Partial Oxidation of Cyclohexane. ACS Catalysis, 2017, 7, 293-300.	5.5	91
20	An antimalarial drug, tafenoquine, as a fluorescent receptor for ratiometric detection of hypochlorite. RSC Advances, 2017, 7, 30453-30458.	1.7	6
21	Photocatalytic Conversion of Nitrogen to Ammonia with Water on Surface Oxygen Vacancies of Titanium Dioxide. Journal of the American Chemical Society, 2017, 139, 10929-10936.	6.6	721
22	Synthesis of Au Nanoparticles with Benzoic Acid as Reductant and Surface Stabilizer Promoted Solely by UV Light. Langmuir, 2017, 33, 13797-13804.	1.6	22
23	Naphthalimideâ€“coumarin conjugate: ratiometric fluorescent receptor for self-calibrating quantification of cyanide anions in cells. RSC Advances, 2017, 7, 32304-32309.	1.7	17
24	Photocatalytic Dehalogenation of Aromatic Halides on Ta₂O₅-Supported Ptâ€“Pd Bimetallic Alloy Nanoparticles Activated by Visible Light. ACS Catalysis, 2017, 7, 5194-5201.	5.5	47
25	Mellitic Triimide-Doped Carbon Nitride as Sunlight-Driven Photocatalysts for Hydrogen Peroxide Production. ACS Sustainable Chemistry and Engineering, 2017, 5, 6478-6485.	3.2	92
26	Powdered Photocatalysts for Sunlight-Driven Hydrogen Peroxide Production from Water and Molecular Oxygen. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2017, 25, 165-167.	0.0	0
27	Graphitic Carbon Nitride Doped with Biphenyl Diimide: Efficient Photocatalyst for Hydrogen Peroxide Production from Water and Molecular Oxygen by Sunlight. ACS Catalysis, 2016, 6, 7021-7029.	5.5	282
28	Carbon Nitrideâ€“Aromatic Diimideâ€“Graphene Nanohybrids: Metal-Free Photocatalysts for Solar-to-Hydrogen Peroxide Energy Conversion with 0.2% Efficiency. Journal of the American Chemical Society, 2016, 138, 10019-10025.	6.6	406
29	Coumarinâ€“Spiropyran Dyad with a Hydrogenated Pyran Moiety for Rapid, Selective, and Sensitive Fluorometric Detection of Cyanide Anion. Analytical Chemistry, 2016, 88, 6805-6811.	3.2	74
30	Au Nanoparticles Supported on BiVO₄: Effective Inorganic Photocatalysts for H₂O₂ Production from Water and O₂ under Visible Light. ACS Catalysis, 2016, 6, 4976-4982.	5.5	272
31	Offâ€“on fluorometric detection of cyanide anions in an aqueous mixture by an indane-based receptor. New Journal of Chemistry, 2016, 40, 1237-1243.	1.4	19
32	A pyryliumâ€“coumarin dyad as a colorimetric receptor for ratiometric detection of cyanide anions by two absorption bands in the visible region. New Journal of Chemistry, 2016, 40, 195-201.	1.4	19
33	Photocatalytic Hydrogenation of Nitroaromatics to Anilines on Silica-Supported Iron Oxides with Hydrazine Monohydrate as a Reductant. Journal of Chemical Engineering of Japan, 2015, 48, 141-146.	0.3	4
34	Photocatalytic secondary amine synthesis from azobenzenes and alcohols on TiO₂ loaded with Pd nanoparticles. New Journal of Chemistry, 2015, 39, 2856-2860.	1.4	16
35	Hot-Electron-Induced Highly Efficient O₂ Activation by Pt Nanoparticles Supported on Ta₂O₅ Driven by Visible Light. Journal of the American Chemical Society, 2015, 137, 9324-9332.	6.6	139
36	Effects of Surface Defects on Photocatalytic H₂O₂ Production by Mesoporous Graphitic Carbon Nitride under Visible Light Irradiation. ACS Catalysis, 2015, 5, 3058-3066.	5.5	289

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37	Amino-substituted spirothiopyran as an initiator for self-assembly of gold nanoparticles. RSC Advances, 2015, 5, 77572-77580.	1.7	2
38	One-pot synthesis of secondary amines from alcohols and nitroarenes on TiO₂ loaded with Pd nanoparticles under UV irradiation. New Journal of Chemistry, 2015, 39, 2467-2473.	1.4	17
39	Sunlightâ€Driven Hydrogen Peroxide Production from Water and Molecular Oxygen by Metalâ€Free Photocatalysts. Angewandte Chemie - International Edition, 2014, 53, 13454-13459.	7.2	467
40	Highly Selective Production of Hydrogen Peroxide on Graphitic Carbon Nitride (g-C₃N₄) Photocatalyst Activated by Visible Light. ACS Catalysis, 2014, 4, 774-780.	5.5	580
41	Platinum nanoparticles strongly associated with graphitic carbon nitride as efficient co-catalysts for photocatalytic hydrogen evolution under visible light. Chemical Communications, 2014, 50, 15255-15258.	2.2	168
42	Selective Photocatalytic Oxidation of Aniline to Nitrosobenzene by Pt Nanoparticles Supported on TiO₂ under Visible Light Irradiation. ACS Catalysis, 2014, 4, 2418-2425.	5.5	69
43	Selective Hydrogen Peroxide Formation by Titanium Dioxide Photocatalysis with Benzylic Alcohols and Molecular Oxygen in Water. ACS Catalysis, 2013, 3, 2222-2227.	5.5	157
44	Rutile Crystallites Isolated from Degussa (Evonik) P25 TiO₂: Highly Efficient Photocatalyst for Chemoselective Hydrogenation of Nitroaromatics. ACS Catalysis, 2013, 3, 2318-2326.	5.5	65
45	Supported Auâ€“Cu Bimetallic Alloy Nanoparticles: An Aerobic Oxidation Catalyst with Regenerable Activity by Visibleâ€Light Irradiation. Angewandte Chemie - International Edition, 2013, 52, 5295-5299.	7.2	176
46	Photocatalytic hydrodenitrogenation of aromatic cyanides on TiO2 loaded with Pd nanoparticles. Catalysis Science and Technology, 2013, 3, 1718.	2.1	12
47	Spiropyranâ€“cholesterol conjugate as a photoresponsive organogelator. New Journal of Chemistry, 2013, 37, 2642.	1.4	12
48	Lightâ€Triggered Selfâ€Assembly of Gold Nanoparticles Based on Photoisomerization of Spirothiopyran. Angewandte Chemie - International Edition, 2013, 52, 8304-8308.	7.2	80
49	Selective side-chain oxidation of alkyl-substituted aromatics on TiO2 partially coated with WO3 as a photocatalyst. Catalysis Science and Technology, 2013, 3, 2270.	2.1	36
50	Titanium Oxide-based Photocatalysts for Selective Organic Transformations. Journal of the Japan Petroleum Institute, 2012, 55, 287-298.	0.4	17
51	Highly Efficient and Selective Hydrogenation of Nitroaromatics on Photoactivated Rutile Titanium Dioxide. ACS Catalysis, 2012, 2, 2475-2481.	5.5	131
52	Visible light-induced partial oxidation of cyclohexane on WO3 loaded with Ptnanoparticles. Catalysis Science and Technology, 2012, 2, 400-405.	2.1	84
53	Photocatalytic H₂O₂ Production from Ethanol/O₂ System Using TiO₂ Loaded with Auâ€“Ag Bimetallic Alloy Nanoparticles. ACS Catalysis, 2012, 2, 599-603.	5.5	361
54	Selective photooxidation of chlorophenols with molecularly imprinted polymers containing a photosensitizer. New Journal of Chemistry, 2010, 34, 714.	1.4	23

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55	Hydrophobic Crâ€“Si mixed oxides as a catalyst for visible light-induced partial oxidation of cyclohexane. New Journal of Chemistry, 2010, 34, 2841.	1.4	18
56	Selective organic transformations on titanium oxide-based photocatalysts. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2008, 9, 157-170.	5.6	315
57	æœ‰æ©Ÿâ”€ç„¡æ©Ÿãƒã‚¤ãƒãƒªãƒƒãƒ‰åž‹å…‰è§¦åª’ã«ã‚ˆã‚‹é¸æŠžçš„ç‰©è³ªå¤‰æ›. Hosokawa Powder Technology Foundation A	0.0	0
58	Preparation of ZnO nanoparticles in a reverse micellar system and their photoluminescence properties. Journal of Colloid and Interface Science, 2005, 284, 184-189.	5.0	24
59	Immobilization of CdS nanoparticles formed in reverse micelles onto aluminosilicate supports and their photocatalytic properties. Journal of Colloid and Interface Science, 2005, 288, 513-516.	5.0	28
60	Preparation of Sr2CeO4:Eu3+,Dy3+White Luminescence Phosphor Particles and Thin Films by Using an Emulsion Liquid Membrane System. Journal of Physical Chemistry B, 2005, 109, 5569-5573.	1.2	40
61	Fluorometric Detection of pH and Metal Cations by 1,4,7,10-Tetraazacyclododecane (Cyclen) Bearing Two Anthrylmethyl Groups. Industrial & Engineering Chemistry Research, 2005, 44, 847-851.	1.8	14
62	Preparation of Y2O3 nanoparticulate thin films using an emulsion liquid membrane system. Journal of Colloid and Interface Science, 2004, 275, 508-513.	5.0	16
63	Preparation of Gd2O3:Yb,Er and Gd2O2S:Yb,Er infrared-to-visible conversion phosphor ultrafine particles using an emulsion liquid membrane system. Journal of Colloid and Interface Science, 2004, 269, 103-108.	5.0	84
64	Preparation of yttrium oxysulfide phosphor nanoparticles with infrared-to-green and -blue upconversion emission using anÂemulsion liquid membrane system. Journal of Colloid and Interface Science, 2004, 273, 470-477.	5.0	53
65	Preparation of Y2O3:Eu3+ nanoparticles in reverse micellar systems and their photoluminescence properties. Journal of Colloid and Interface Science, 2004, 276, 339-345.	5.0	39
66	Desulfurization of Vacuum Gas Oil Based on Chemical Oxidation Followed by Liquidâ^'Liquid Extraction. Energy & Fuels, 2004, 18, 37-40.	2.5	62
67	Heterogeneous Fluorometric Detection of pH and Metal Cations by Amphiphilic Zeolite Modified with Anthracene-Substituted Azamacrocycle. Industrial & Engineering Chemistry Research, 2004, 43, 6064-6069.	1.8	5
68	Preparation of ZnS:Mn Nanoparticles in Reverse Micellar Systems and Their Photoluminescent Properties. Journal of Chemical Engineering of Japan, 2004, 37, 675-679.	0.3	2
69	Immobilization of RuS₂Nanoparticles Prepared in Reverse Micellar System onto Thiol-Modified Polystyrene Particles and their Photocatalytic Properties. Journal of Nanoparticle Research, 2003, 5, 61-67.	0.8	10
70	Dithiol-mediated incorporation of CdS nanoparticles from reverse micellar system into Zn-doped SBA-15 mesoporous silica and their photocatalytic properties. Journal of Colloid and Interface Science, 2003, 268, 394-399.	5.0	30
71	Vanadosilicate Molecular Sieve as a Catalyst for Oxidative Desulfurization of Light Oil. Industrial & Engineering Chemistry Research, 2003, 42, 6034-6039.	1.8	92
72	Photochemical Production of Biphenyls from Oxidized Sulfur Compounds Obtained by Oxidative Desulfurization of Light Oils. Energy & Fuels, 2003, 17, 95-100.	2.5	15

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73	Desulfurization Process for Light Oil Based on Chemical Adsorption of Sulfur Compounds on Polymer-Supported Imidation Agent.. Journal of Chemical Engineering of Japan, 2003, 36, 1528-1531.	0.3	3
74	S-Methylsulfonium Salts Obtained by Desulfurization of Vacuum Gas Oil and Catalytic-Cracked Gasoline as Thermal Latent Polymerization Initiator.. Journal of Chemical Engineering of Japan, 2003, 36, 343-347.	0.3	2
75	Polymer-Supported Sulfonium Salts Obtained by Desulfurization of Light Oil as Novel Phase Transfer Catalyst.. Journal of Chemical Engineering of Japan, 2003, 36, 220-224.	0.3	0
76	Separation of Transition Metals Using Inorganic Adsorbents Modified with Chelating Ligands. Industrial & Engineering Chemistry Research, 2002, 41, 5065-5070.	1.8	57
77	The preparation of rare earth phosphate fine particles in an emulsion liquid membrane systemElectronic supplementary information (ESI) available: SEM images of phosphate particles prepared in the homogeneous system, and SEM images of La phosphate particles prepared via the ELM system, following calcination for 2 h at 573 and 1373 K. See http://www.rsc.org/suppdata/jm/b1/b105743j/. Journal of Materials Chemistry, 2002, 12, 1053-1057.	6.7	61
78	Preparation of Y2O3:Yb,Er Infrared-to-Visible Conversion Phosphor Fine Particles Using an Emulsion Liquid Membrane System. Chemistry of Materials, 2002, 14, 3576-3583.	3.2	94
79	Dithiol-Mediated Immobilization of CdS Nanoparticles from Reverse Micellar System onto Zn-Doped Silica Particles and Their High Photocatalytic Activity. Journal of Colloid and Interface Science, 2002, 252, 89-92.	5.0	11
80	Preparation of Gd2O3 : Eu3+ and Gd2O2S : Eu3+ Phosphor Fine Particles Using an Emulsion Liquid Membrane System. Journal of Colloid and Interface Science, 2002, 253, 62-69.	5.0	68
81	Review of Advanced Liquidâ^'Liquid Extraction Systems for the Separation of Metal Ions by a Combination of Conversion of the Metal Species with Chemical Reaction. Industrial & Engineering Chemistry Research, 2001, 40, 3085-3091.	1.8	67
82	A Novel Desulfurization Process for Fuel Oils Based on the Formation and Subsequent Precipitation ofS-Alkylsulfonium Salts. 5. Denitrogenation Reactivity of Basic and Neutral Nitrogen Compounds. Industrial & Engineering Chemistry Research, 2001, 40, 4919-4924.	1.8	13
83	A Novel Desulfurization Process for Fuel Oils Based on the Formation and Subsequent Precipitation of S-Alkylsulfonium Salts. 4. Desulfurization and Simultaneous Denitrogenation of Vacuum Gas Oil. Industrial & Engineering Chemistry Research, 2001, 40, 3398-3405.	1.8	12
84	A novel methodology towards deep desulfurization of light oil effected by sulfimides formation. Chemical Communications, 2001, , 1256-1257.	2.2	19
85	Stabilization of CdS Nanoparticles Immobilized on Thiol-Modified Polystyrene Particles by Encapsulation with Polythiourethane. Journal of Physical Chemistry B, 2001, 105, 9711-9714.	1.2	47
86	Incorporation of CdS Nanoparticles Formed in Reverse Micelles into Mesoporous Silica. Journal of Colloid and Interface Science, 2001, 235, 358-364.	5.0	49
87	Recent Research Development in Solvent Extraction. Design of Liquid-Liquid Extraction Process for Separation of Metal Ions.. Kagaku Kogaku Ronbunshu, 2000, 26, 497-505.	0.1	1
88	Incorporation of CdS nanoparticles formed in reverse micelles into silica matrices via a solâ€“gel process: preparation of nano-CdS-containing silica colloids and silica glass. Journal of Materials Chemistry, 2000, 10, 2592-2596.	6.7	21
89	Preparation of nano-CdSâ€“polyurethane composites via in situ polymerization in reverse micellar systems. Journal of Materials Chemistry, 2000, 10, 2234-2235.	6.7	15
90	Preparation of Y2O3 â^¶ Eu3+ phosphor fine particles using an emulsion liquid membrane system. Journal of Materials Chemistry, 2000, 10, 2306-2310.	6.7	58

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91	The Preparation of Spherical Calcium Phosphate Fine Particles Using an Emulsion Liquid Membrane System. Langmuir, 2000, 16, 955-960.	1.6	61
92	Preparation of Semiconductor Nanoparticleâ^'Polymer Composites by Direct Reverse Micelle Polymerization Using Polymerizable Surfactants. Journal of Physical Chemistry B, 2000, 104, 8962-8966.	1.2	81
93	Mechanism of Photoreductive Extraction of Vanadium in a Liquidâ^'Liquid Extraction System Using Bis(2-ethylhexyl)phosphoric Acid. Industrial & Engineering Chemistry Research, 2000, 39, 3018-3023.	1.8	7
94	Selective Extraction of Y from a Ho/Y/Er Mixture by Liquidâ^'Liquid Extraction in the Presence of a Water-Soluble Complexing Agent. Industrial & Engineering Chemistry Research, 2000, 39, 3907-3911.	1.8	45
95	Photochemical Desulfurization of Light Oils Using Oil/Hydrogen Peroxide Aqueous Solution Extraction System: Application for High Sulfur Content Straight-Run Light Gas Oil and Aromatic Rich Light Cycle Oil.. Journal of Chemical Engineering of Japan, 1999, 32, 158-161.	0.3	18
96	Separation and Recovery of Gallium and Indium from Simulated Zinc Refinery Residue by Liquidâ^'Liquid Extraction. Industrial & Engineering Chemistry Research, 1999, 38, 1032-1039.	1.8	84
97	Size-Selective Incorporation of CdS Nanoparticles into Mesoporous Silica. Journal of Physical Chemistry B, 1999, 103, 4228-4230.	1.2	135
98	Visible Light-Induced Deep Desulfurization Process for Light Oils by Photochemical Electron-Transfer Oxidation in an Organic Two-Phase Extraction System. Industrial & Engineering Chemistry Research, 1999, 38, 3310-3318.	1.8	36
99	Identification of Desulfurization Products in the Photochemical Desulfurization Process for Benzothiophenes and Dibenzothiophenes from Light Oil Using an Organic Two-Phase Extraction System. Industrial & Engineering Chemistry Research, 1999, 38, 3300-3309.	1.8	39
100	A Deep Desulfurization Process for Light Oil by Photosensitized Oxidation Using a Triplet Photosensitizer and Hydrogen Peroxide in an Oil/Water Two-Phase Liquidâ^'Liquid Extraction System. Industrial & Engineering Chemistry Research, 1999, 38, 1589-1595.	1.8	45
101	Preparation of Semiconductor Nanoparticleâ^'Polyurea Composites Using Reverse Micellar Systems via an in Situ Diisocyanate Polymerization. Journal of Physical Chemistry B, 1999, 103, 10120-10126.	1.2	41
102	Preparation of spherical oxalate particles of rare earths in emulsion liquid membrane system. AICHE Journal, 1998, 44, 197-206.	1.8	24
103	Preparation of Rare-Earth-Metal Oxalate Spherical Particles in Emulsion Liquid Membrane System Using Alkylphosphinic Acid as Cation Carrier. Langmuir, 1998, 14, 6648-6653.	1.6	25
104	Te Recovery of Phosphorus Value from Incineration Ashes of Sewage Sludge Using Solvent Extraction.. Kagaku Kogaku Ronbunshu, 1998, 24, 273-278.	0.1	3
105	Effects of Thiols on Photocatalytic Properties of Nano-CdS-Polythiourethane Composite Particles.. Journal of Chemical Engineering of Japan, 1998, 31, 1003-1006.	0.3	20
106	Quantitative Study on Thiophenol Modification and Redispersion Property of Cadmium Sulfide Ultrafine Particles Prepared in Reverse Micellar Systems.. Journal of Chemical Engineering of Japan, 1998, 31, 142-146.	0.3	8
107	Preparation of Rare Earth Oxalate Ultrafine Particles in Emulsion Liquid Membrane System Using Carboxylic Acid as Cation Carrier.. Journal of Chemical Engineering of Japan, 1998, 31, 474-477.	0.3	10
108	Separation of Rare Metals by Solvent Extraction Employing Reductive Stripping Technique. Mineral Processing and Extractive Metallurgy Review, 1997, 17, 81-107.	2.6	9

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109	Photoreductive stripping of vanadium using 2-propanol as radical scavenger in liquid-liquid extraction process of vanadium and molybdenum.. Journal of Chemical Engineering of Japan, 1997, 30, 268-273.	0.3	5
110	Practical study of liquid-liquid extraction process for separation of rare earth elements with bis(2-ethylhexyl) phosphinic acid.. Journal of Chemical Engineering of Japan, 1997, 30, 1040-1046.	0.3	28
111	Preparation of Fe Oxide and Composite Ti-Fe Oxide Ultrafine Particles in Reverse Micellar Systems.. Journal of Chemical Engineering of Japan, 1997, 30, 938-943.	0.3	11
112	Preparation of Cadmium Sulfide Ultrafine Particles Surface-Modified with Thiols in Reverse Micellar Systems and Redispersion in Non-Micellars Solvents.. Journal of Chemical Engineering of Japan, 1997, 30, 86-93.	0.3	37
113	Effect of Photosensitizer and Hydrogen Peroxide on Desulfurization of Light Oil by Photochemical Reaction and Liquidâ^'Liquid Extraction. Industrial & Engineering Chemistry Research, 1997, 36, 530-533.	1.8	51
114	Biomimetic Synthesis of Calcium Carbonate Particles in a Pseudovesicular Double Emulsion. Langmuir, 1997, 13, 6650-6653.	1.6	102
115	Desulfurization Process for Light Oil by Photochemical Reaction and Liquid-Liquid Extraction: Removal of Benzothiophenes and Alkyl Sulfides.. Journal of Chemical Engineering of Japan, 1997, 30, 173-175.	0.3	13
116	Preparation and Photocatalytic Reactions of Titanium Dioxide Ultrafine Particles in Reverse Micellar Systems.. Journal of Chemical Engineering of Japan, 1997, 30, 137-145.	0.3	12
117	Acidic Phosphinates with Different Alkyl Groups as Extractants for Rare Earths.. Journal of Chemical Engineering of Japan, 1996, 29, 1041-1044.	0.3	14
118	Separation of Ce from La/Ce/Nd mixture by photooxidation and liquid-liquid extraction.. Journal of Chemical Engineering of Japan, 1996, 29, 731-733.	0.3	17
119	Preparation of Copper Oxalate Fine Particles Using Emulsion Liquid Membrane System.. Journal of Chemical Engineering of Japan, 1996, 29, 842-850.	0.3	11
120	Mechanism of formation of silver halide ultrafine particles in reverse micellar systems.. Journal of Chemical Engineering of Japan, 1996, 29, 501-507.	0.3	23
121	Mechanism of formation of lead sulfide ultrafine particles in reverse micellar systems.. Journal of Chemical Engineering of Japan, 1995, 28, 468-473.	0.3	20
122	Extraction and separation of molybdenum and vanadium using bis(2-ethylhexyl)monothiophosphoric acid and bis(2-ethylhexyl)phosphoric acid.. Journal of Chemical Engineering of Japan, 1995, 28, 85-90.	0.3	18
123	The effect of formic acid on photoreductive stripping of vanadium in liquid-liquid extraction process of vanadium and molybdenum.. Journal of Chemical Engineering of Japan, 1995, 28, 486-488.	0.3	6
124	Preparation of Metal Sulfide Composite Ultrafine Particles in Reverse Micellar Systems and Their Photocatalytic Property.. Journal of Chemical Engineering of Japan, 1994, 27, 590-597.	0.3	79
125	Photoreductive Stripping of Vanadium in Solvent Extraction Process for Separation of Vanadium and Molybdenum.. Journal of Chemical Engineering of Japan, 1993, 26, 416-421.	0.3	13
126	Separation of europium from samarium and gadolinium by combination of photochemical reduction and solvent extraction.. Journal of Chemical Engineering of Japan, 1993, 26, 64-67.	0.3	22

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127	High-performance separation process of Eu from a Sm/Eu/Gd mixture by liquid-liquid extraction combined with a photoredox reaction.. Bunseki Kagaku, 1993, 42, 681-686.	0.1	1
128	Synergistic Extraction of Rare-Earth Elements by Alkyl Phosphoric Acid and Tri-n-Octylmethylammonium Nitrate.. Journal of Chemical Engineering of Japan, 1992, 25, 218-220.	0.3	1
129	Separation of europium from samarium and gadolinium by combination of electrochemical reduction and solvent extraction.. Journal of Chemical Engineering of Japan, 1992, 25, 644-648.	0.3	31
130	Extraction on vanadium(V) from hydrochloric acid by tri-n-octylmethylammonium chloride.. Journal of Chemical Engineering of Japan, 1991, 24, 301-305.	0.3	4
131	Mechanism of extraction of cobalt from hydrochloric acid by tri-n-octylmethylammonium chloride.. Journal of Chemical Engineering of Japan, 1991, 24, 58-62.	0.3	7
132	Extraction and separation of rare-earth elements by tri-n-octylmethylammonium nitrate and .BETA.-diketone using water-soluble complexing agent.. Journal of Chemical Engineering of Japan, 1991, 24, 731-736.	0.3	33
133	Electro-reductive stripping of vanadium in solvent extraction process for separation of vanadium and molybdenum.. Journal of Chemical Engineering of Japan, 1991, 24, 124-125.	0.3	8
134	Separation and purification of vanadium and molybdenum by solvent extraction followed by reductive stripping.. Journal of Chemical Engineering of Japan, 1990, 23, 208-213.	0.3	15