Hideki Kato

List of Publications by Year
in descending order

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163	21,884	14614 66	8370 147
papers	citations	h-index	g-index

178	178	178	14090
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Novel Aqueous Process for Preparation of Crystal Form-Controlled and Highly Crystalline BiVO4Powder from Layered Vanadates at Room Temperature and Its Photocatalytic and Photophysical Properties. Journal of the American Chemical Society, 1999, 121, 11459-11467.	6.6	1,813
2	Highly Efficient Water Splitting into H2and O2over Lanthanum-Doped NaTaO3Photocatalysts with High Crystallinity and Surface Nanostructure. Journal of the American Chemical Society, 2003, 125, 3082-3089.	6.6	1,585
3	Selective Preparation of Monoclinic and Tetragonal BiVO4with Scheelite Structure and Their Photocatalytic Properties. Chemistry of Materials, 2001, 13, 4624-4628.	3.2	979
4	Hydrolysis of Cellulose by Amorphous Carbon Bearing SO₃H, COOH, and OH Groups. Journal of the American Chemical Society, 2008, 130, 12787-12793.	6.6	941
5	Photocatalytic Activities of Noble Metal Ion Doped SrTiO3under Visible Light Irradiation. Journal of Physical Chemistry B, 2004, 108, 8992-8995.	1.2	832
6	Visible-Light-Response and Photocatalytic Activities of TiO2 and SrTiO3 Photocatalysts Codoped with Antimony and Chromium. Journal of Physical Chemistry B, 2002, 106, 5029-5034.	1.2	796
7	Photocatalytic H2Evolution Reaction from Aqueous Solutions over Band Structure-Controlled (AgIn)xZn2(1-x)S2Solid Solution Photocatalysts with Visible-Light Response and Their Surface Nanostructures. Journal of the American Chemical Society, 2004, 126, 13406-13413.	6.6	785
8	Photocatalytic O2 evolution under visible light irradiation on BiVO4 in aqueous AgNO3 solution. Catalysis Letters, 1998, 53, 229-230.	1.4	657
9	Water Splitting into H2and O2on Alkali Tantalate Photocatalysts ATaO3(A = Li, Na, and K). Journal of Physical Chemistry B, 2001, 105, 4285-4292.	1.2	629
10	Water Splitting into H2and O2on New Sr2M2O7(M = Nb and Ta) Photocatalysts with Layered Perovskite Structures:Â Factors Affecting the Photocatalytic Activity. Journal of Physical Chemistry B, 2000, 104, 571-575.	1.2	602
11	Role of Ag+in the Band Structures and Photocatalytic Properties of AgMO3(M:Â Ta and Nb) with the Perovskite Structure. Journal of Physical Chemistry B, 2002, 106, 12441-12447.	1.2	463
12	Visible-Light-Induced H2 Evolution from an Aqueous Solution Containing Sulfide and Sulfite over a ZnS-CuInS2-AgInS2 Solid-Solution Photocatalyst. Angewandte Chemie - International Edition, 2005, 44, 3565-3568.	7.2	434
13	Construction of Z-scheme Type Heterogeneous Photocatalysis Systems for Water Splitting into H2and O2under Visible Light Irradiation. Chemistry Letters, 2004, 33, 1348-1349.	0.7	401
14	Strategies for the Development of Visible-light-driven Photocatalysts for Water Splitting. Chemistry Letters, 2004, 33, 1534-1539.	0.7	397
15	Photophysical Properties and Photocatalytic Activities of Bismuth Molybdates under Visible Light Irradiation. Journal of Physical Chemistry B, 2006, 110, 17790-17797.	1.2	390
16	The effect of co-catalyst for Z-scheme photocatalysis systems with an Fe3+/Fe2+ electron mediator on overall water splitting under visible light irradiation. Journal of Catalysis, 2008, 259, 133-137.	3.1	382
17	New tantalate photocatalysts for water decomposition into H2 and O2. Chemical Physics Letters, 1998, 295, 487-492.	1.2	371
18	[Co(bpy)₃]^{3+/2+} and [Co(phen)₃]^{3+/2+} Electron Mediators for Overall Water Splitting under Sunlight Irradiation Using Z-Scheme Photocatalyst System. Journal of the American Chemical Society, 2013, 135, 5441-5449.	6.6	327

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19	H2 evolution from an aqueous methanol solution on SrTiO3 photocatalysts codoped with chromium and tantalum ions under visible light irradiation. Journal of Photochemistry and Photobiology A: Chemistry, 2004, 163, 181-186.	2.0	323
20	AgInZn7S9 solid solution photocatalyst for H2 evolution from aqueous solutions under visible light irradiation. Chemical Communications, 2002, , 1958-1959.	2.2	312
21	Photophysical properties and photocatalytic activities under visible light irradiation of silver vanadates. Physical Chemistry Chemical Physics, 2003, 5, 3061.	1.3	305
22	Effect of lanthanide-doping into NaTaO3 photocatalysts for efficient water splitting. Chemical Physics Letters, 2000, 331, 373-377.	1.2	294
23	Photocatalytic water splitting into H2 and O2 over various tantalate photocatalysts. Catalysis Today, 2003, 78, 561-569.	2.2	291
24	Nickel and either tantalum or niobium-codoped TiO2 and SrTiO3 photocatalysts with visible-light response for H2 or O2 evolution from aqueous solutions. Physical Chemistry Chemical Physics, 2005, 7, 2241.	1.3	280
25	Adsorption-Enhanced Hydrolysis of Î²-1,4-Glucan on Graphene-Based Amorphous Carbon Bearing SO₃H, COOH, and OH Groups. Langmuir, 2009, 25, 5068-5075.	1.6	274
26	Photocatalytic Hydrogen Evolution on ZnSâ^'CuInS2â^'AgInS2 Solid Solution Photocatalysts with Wide Visible Light Absorption Bands. Chemistry of Materials, 2006, 18, 1969-1975.	3.2	271
27	Water splitting into H2 and O2 over niobate and titanate photocatalysts with (111) plane-type layered perovskite structure. Energy and Environmental Science, 2009, 2, 306.	15.6	248
28	Photocatalytic H2Evolution under Visible-Light Irradiation over Band-Structure-Controlled (CuIn)xZn2(1-x)S2Solid Solutions. Journal of Physical Chemistry B, 2005, 109, 7323-7329.	1.2	245
29	Role of Sn²⁺ in the Band Structure of SnM₂O₆ and Sn₂M₂O₇(M = Nb and Ta) and Their Photocatalytic Properties. Chemistry of Materials, 2008, 20, 1299-1307.	3.2	231
30	Novel Stannite-type Complex Sulfide Photocatalysts A^I₂-Zn-A^{IV}-S₄ (A^I = Cu and Ag;) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 Materials, 2010, 22, 1402-1409.	3.2	216
31	Synthesis of highly active rhodium-doped SrTiO3 powders in Z-scheme systems for visible-light-driven photocatalytic overall water splitting. Journal of Materials Chemistry A, 2013, 1, 12327.	5.2	214
32	Tailoring of Deepâ€Red Luminescence in Ca₂SiO₄:Eu²⁺. Angewandte Chemie - International Edition, 2014, 53, 7756-7759.	7.2	202
33	Effects of doping of metal cations on morphology, activity, and visible light response of photocatalysts. Chemical Physics, 2007, 339, 104-110.	0.9	191
34	Highly efficient decomposition of pure water into H2 and O2 over NaTaO3 photocatalysts. Catalysis Letters, 1999, 58, 153-155.	1.4	183
35	Hydrolysis of Cellulose by a Solid Acid Catalyst under Optimal Reaction Conditions. Journal of Physical Chemistry C, 2009, 113, 3181-3188.	1.5	156
36	Photodynamics of NaTaO3Catalysts for Efficient Water Splitting. Journal of Physical Chemistry B, 2003, 107, 14383-14387.	1.2	147

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37	Polymerizable Complex Synthesis of Pure Sr2NbxTa2-xO7Solid Solutions with High Photocatalytic Activities for Water Decomposition into H2and O2. Chemistry of Materials, 2002, 14, 3369-3376.	3.2	145
38	Nanosized Au Particles as an Efficient Cocatalyst for Photocatalytic Overall Water Splitting. Catalysis Letters, 2006, 108, 7-10.	1.4	136
39	Synthesis and acid catalysis of cellulose-derived carbon-based solid acid. Solid State Sciences, 2010, 12, 1029-1034.	1.5	133
40	Role of Iron Ion Electron Mediator on Photocatalytic Overall Water Splitting under Visible Light Irradiation Using Z-Scheme Systems. Bulletin of the Chemical Society of Japan, 2007, 80, 2457-2464.	2.0	130
41	Photocatalytic O₂ Evolution of Rhodium and Antimony-Codoped Rutile-Type TiO₂ under Visible Light Irradiation. Journal of Physical Chemistry C, 2007, 111, 17420-17426.	1.5	128
42	The relationship between photocatalytic activity and crystal structure in strontium tantalates. Journal of Catalysis, 2005, 232, 102-107.	3.1	118
43	SnO-SnO2 modified two-dimensional MXene Ti3C2T for acetone gas sensor working at room temperature. Journal of Materials Science and Technology, 2021, 73, 128-138.	5.6	117
44	Structure and Catalysis of Celluloseâ€Derived Amorphous Carbon Bearing SO₃H Groups. ChemSusChem, 2011, 4, 778-784.	3.6	111
45	Energy Structure and Photocatalytic Activity of Niobates and Tantalates Containing Sn(II) with a 5s2Electron Configuration. Chemistry Letters, 2004, 33, 28-29.	0.7	109
46	Photoinduced Dynamics of TiO₂ Doped with Cr and Sb. Journal of Physical Chemistry C, 2008, 112, 1167-1173.	1.5	109
47	The Effect of Alkaline Earth Metal Ion Dopants on Photocatalytic Water Splitting by NaTaO₃ Powder. ChemSusChem, 2009, 2, 873-877.	3.6	96
48	Photocatalytic Activities of Layered Titanates and Niobates Ion-Exchanged with Sn²⁺ under Visible Light Irradiation. Journal of Physical Chemistry C, 2008, 112, 17678-17682.	1.5	94
49	Photocatalytic Decomposition of Pure Water into H2and O2over SrTa2O6Prepared by a Flux Method. Chemistry Letters, 1999, 28, 1207-1208.	0.7	92
50	Photocatalytic Decomposition of Water into H2and O2over Novel Photocatalyst K3Ta3Si2O13with Pillared Structure Consisting of Three TaO6Chains. Chemistry Letters, 1997, 26, 867-868.	0.7	91
51	Water Splitting into H2and O2over Ba5Nb4O15Photocatalysts with Layered Perovskite Structure Prepared by Polymerizable Complex Method. Chemistry Letters, 2006, 35, 1052-1053.	0.7	90
52	The effect of Au cocatalyst loaded on La-doped NaTaO3 on photocatalytic water splitting and O2 photoreduction. Applied Catalysis B: Environmental, 2013, 136-137, 89-93.	10.8	88
53	Fabrication of SrTiO3 exposing characteristic facets using molten salt flux and improvement of photocatalytic activity for water splitting. Catalysis Science and Technology, 2013, 3, 1733.	2.1	86
54	Anomalous Orange Light-Emitting (Sr,Ba)₂SiO₄:Eu²⁺ Phosphors for Warm White LEDs. ACS Applied Materials & Interfaces, 2016, 8, 11615-11620.	4.0	83

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55	Visible light response of AgLi₁_{/3}M_{2/3}O₂(M = Ti and) Tj ETQq1 1 0.784314 rgBT /Ov of Materials Chemistry, 2008, 18, 647-653.	6.7	82
56	Structure and Acid Catalysis of Mesoporous Nb₂O₅Â·nH₂O. Chemistry of Materials, 2010, 22, 3332-3339.	3.2	82
57	Formation of Surface Nano-step Structures and Improvement of Photocatalytic Activities of NaTaO3by Doping of Alkaline Earth Metal Ions. Chemistry Letters, 2004, 33, 1260-1261.	0.7	81
58	SO3H-bearing mesoporous carbon with highly selective catalysis. Microporous and Mesoporous Materials, 2011, 143, 443-450.	2.2	79
59	Energy structure and photocatalytic activity for water splitting of Sr2(Ta1â^'XNbX)2O7 solid solution. Journal of Photochemistry and Photobiology A: Chemistry, 2001, 145, 129-133.	2.0	77
60	A Novel Photodeposition Method in the Presence of Nitrate Ions for Loading of an Iridium Oxide Cocatalyst for Water Splitting. Chemistry Letters, 2005, 34, 946-947.	0.7	76
61	Photocatalytic reduction of nitrate ions over tantalate photocatalysts. Physical Chemistry Chemical Physics, 2002, 4, 2833-2838.	1.3	72
62	H2Evolution from Aqueous Potassium Sulfite Solutions under Visible Light Irradiation over a Novel Sulfide Photocatalyst NaInS2with a Layered Structure. Chemistry Letters, 2002, 31, 882-883.	0.7	71
63	Photophysical and Photocatalytic Properties of Molybdates and Tungstates with a Scheelite Structure. Chemistry Letters, 2004, 33, 1216-1217.	0.7	71
64	Photoluminescence Properties of Mn⁴⁺-activated Perovskite-type Titanates, La₂MTiO₆:Mn⁴⁺(M = Mg and Zn). Chemistry Letters, 2015, 44, 1541-1543.	0.7	71
65	Investigations of Electronic Structures and Photocatalytic Activities under Visible Light Irradiation of Lead Molybdate Replaced with Chromium(VI). Bulletin of the Chemical Society of Japan, 2007, 80, 885-893.	2.0	67
66	Undoped Layered Perovskite Oxynitride Li₂LaTa₂O₆N for Photocatalytic CO₂ Reduction with Visible Light. Angewandte Chemie - International Edition, 2018, 57, 8154-8158.	7.2	66
67	Water Splitting into H2and O2over Cs2Nb4O11Photocatalyst. Chemistry Letters, 2005, 34, 54-55.	0.7	65
68	Control of valence band potential and photocatalytic properties of NaxLa1â^'xTaO1+2xN2â^'2x oxynitride solid solutions. Journal of Materials Chemistry A, 2013, 1, 3667.	5.2	65
69	Time-Resolved Infrared Absorption Study of NaTaO₃ Photocatalysts Doped with Alkali Earth Metals. Journal of Physical Chemistry C, 2009, 113, 13918-13923.	1.5	55
70	Electrochemical approach to evaluate the mechanism of photocatalytic water splitting on oxide photocatalysts. Journal of Solid State Chemistry, 2004, 177, 4205-4212.	1.4	54
71	Highly Efficient Water Splitting over K3Ta3B2O12Photocatalyst without Loading Cocatalyst. Chemistry Letters, 2006, 35, 274-275.	0.7	54
72	Cobalt Oxide Nanoclusters on Rutile Titania as Bifunctional Units for Water Oxidation Catalysis and Visible Light Absorption: Understanding the Structureâ€“Activity Relationship. ACS Applied Materials & Interfaces, 2017, 9, 6114-6122.	4.0	54

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73	A Simple Preparation Method of Visible-Light-Driven BiVO4 Photocatalysts From Oxide Starting Materials (Bi2O3 and V2O5) and Their Photocatalytic Activities. Journal of Solar Energy Engineering, Transactions of the ASME, 2010, 132, .	1.1	53
74	Photocatalytic Water Splitting into H2and O2over K2LnTa5O15Powder. Chemistry Letters, 2000, 29, 1212-1213.	0.7	52
75	Eu²⁺-Activated CaSrSiO₄: a New Red-Emitting Oxide Phosphor for White-Light-Emitting Diodes. Applied Physics Express, 2013, 6, 072101.	1.1	52
76	Photocatalytic Activities of Na2W4O13with Layered Structure. Chemistry Letters, 1997, 26, 421-422.	0.7	49
77	Overall Water Splitting into H2and O2under UV Irradiation on NiO-loaded ZnNb2O6Photocatalysts Consisting of d10and d0Ions. Chemistry Letters, 1999, 28, 1197-1198.	0.7	49
78	Alkali-assisted hydrothermal preparation of g-C3N4/rGO nanocomposites with highly enhanced photocatalytic NOx removal activity. Applied Surface Science, 2020, 521, 146213.	3.1	45
79	Synthesis of SnNb2O6Nanoplates and Their Photocatalytic Properties. Chemistry Letters, 2006, 35, 578-579.	0.7	43
80	Site occupancy and luminescence properties of Ca₃Ln(AlO)₃(BO₃)₄:Ce³⁺,Tb³⁺,Mn²⁺ (Ln = Y, Gd). Journal of Materials Chemistry C, 2017, 5, 4578-4583.	2.5	38
81	Hydrothermal synthesis of magnetite particles with uncommon crystal facets. Journal of Asian Ceramic Societies, 2014, 2, 258-262.	1.0	37
82	Photocatalytic water oxidation under visible light by valence band controlled oxynitride solid solutions LaTaON₂â€“SrTiO₃. Journal of Materials Chemistry A, 2015, 3, 11824-11829.	5.2	37
83	Photoluminescence Properties of Double Perovskite Tantalates Activated with Mn⁴⁺, AE₂LaTaO₆:Mn⁴⁺ (AE = Ca, Sr, and Ba). Journal of Physical Chemistry C, 2017, 121, 18837-18844.	1.5	35
84	Synthesis of Zn2SiO4:Mn2+ by homogeneous precipitation using propylene glycol-modified silane. Journal of Materials Chemistry, 2012, 22, 17272.	6.7	33
85	Twoâ€Dimensional Perovskite Oxynitride K₂LaTa₂O₆N with an H⁺/K⁺ Exchangeability in Aqueous Solution Forming a Stable Photocatalyst for Visibleâ€Light H₂ Evolution. Angewandte Chemie - International Edition, 2020, 59, 9736-9743.	7.2	33
86	Synthesis of Titanium Dioxide Nanocrystals with Controlled Crystal- and Micro-Structures from Titanium Complexes. Nanomaterials and Nanotechnology, 2013, 3, 23.	1.2	31
87	Z-scheme water splitting by microspherical Rh-doped SrTiO3 photocatalysts prepared by a spray drying method. Applied Catalysis B: Environmental, 2019, 252, 222-229.	10.8	31
88	Time-Resolved Infrared Spectroscopy of K3Ta3B2O12 Photocatalysts for Water Splitting. Journal of Physical Chemistry B, 2006, 110, 7883-7886.	1.2	29
89	Development of Various Metal Sulfide Photocatalysts Consisting of d⁰, d⁵, and d¹⁰ Metal Ions for Sacrificial H₂ Evolution under Visible Light Irradiation. Chemistry Letters, 2017, 46, 616-619.	0.7	27
90	The hydrothermal and solvothermal synthesis of LiTaO 3 photocatalyst: Suppressing the deterioration of the water splitting activity without using a cocatalyst. International Journal of Hydrogen Energy, 2015, 40, 5638-5643.	3.8	26

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91	A water splitting system using an organo-photocathode and titanium dioxide photoanode capable of bias-free H₂ and O₂ evolution. Chemical Communications, 2016, 52, 7735-7737.	2.2	26
92	Highly Robust Oxynitride Phosphor against Thermal Oxidization and Hydrolysis. ACS Sustainable Chemistry and Engineering, 2020, 8, 12286-12294.	3.2	25
93	Super stable (Ba,Sr)LuAl₂Si₂O₂N₅:Ce³⁺,Eu²⁺ phosphors. Journal of Materials Chemistry C, 2020, 8, 4510-4517.	2.7	24
94	1T/2H-MoS2 engineered by in-situ ethylene glycol intercalation for improved toluene sensing response at room temperature. Advanced Powder Technology, 2020, 31, 1868-1878.	2.0	24
95	Enhancement of luminescence properties of a KSrPO4:Eu2+ phosphor prepared using a solution method with a water-soluble phosphate oligomer. Journal of Materials Chemistry C, 2013, 1, 5741.	2.7	21
96	Exploration of New Phosphors Using a Mineral-Inspired Approach in Combination with Solution Parallel Synthesis. Optics and Photonics Journal, 2013, 03, 5-12.	0.3	21
97	Large Redshifts in Emission and Excitation from Eu²⁺-Activated Sr₂SiO₄ and Ba₂SiO₄ Phosphors Induced by Controlling Eu²⁺ Occupancy on the Basis on Crystal Site Engineering. Optics and Photonics Journal, 2015, 05, 326-333.	0.3	20
98	Control of NaAlSiO4:Eu2+photoluminescence properties by charge-compensated aliovalent element substitutions. Journal of Information Display, 2012, 13, 97-100.	2.1	19
99	A Highly Luminous LiCaPO₄:Eu²⁺ Phosphor Synthesized by a Solution Method Employing a Water-Soluble Phosphate Ester. Optics and Photonics Journal, 2013, 03, 13-18.	0.3	19
100	Lewis Acid and Base Catalysis of YNbO 4 Toward Aqueousâ€Phase Conversion of Hexose and Triose Sugars to Lactic Acid in Water. ChemCatChem, 2020, 12, 350-359.	1.8	18
101	Surface Engineering of 1T/2H-MoS₂ Nanoparticles by O₂ Plasma Irradiation as a Potential Humidity Sensor for Breathing and Skin Monitoring Applications. ACS Applied Nano Materials, 2020, 3, 7835-7846.	2.4	18
102	Photocatalytic activities of Cu3xLa1â€“xTa7O19 solid solutions for H2 evolution under visible light irradiation. Catalysis Science and Technology, 2013, 3, 3147.	2.1	17
103	Luminescence properties of BaZrSi3O9:Eu synthesized by an aqueous solution method. Journal of Luminescence, 2015, 158, 328-332.	1.5	17
104	Undoped Layered Perovskite Oxynitride Li₂LaTa₂O₆N for Photocatalytic CO₂ Reduction with Visible Light. Angewandte Chemie, 2018, 130, 8286-8290.	1.6	17
105	Design of crystal structures, morphologies and functionalities of titanium oxide using water-soluble complexes and molecular control agents. Polymer Journal, 2015, 47, 78-83.	1.3	16
106	Crystal structures and luminescence properties of Eu²⁺-activated new NaBa_{0.5}Ca_{0.5}PO₄ and Na₃Ba₂Ca(PO₄)₃. Dalton Transactions, 2015, 44, 1900-1904.	1.6	15
107	Utilization of Perovskite-Type Oxynitride La_{0.5}Sr_{0.5}Ta_{0.5}Ti_{0.5}O₂N as an O₂-Evolving Photocatalyst in Z-Scheme Water Splitting. ACS Applied Energy Materials, 2021, 4, 2056-2060.	2.5	15
108	Synthesis of spindle and square bipyramid-shaped anatase-type titanium dioxide crystals by a solvothermal method using ethylenediamine. Journal of the Ceramic Society of Japan, 2012, 120, 494-499.	0.5	14

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109	Hierarchical structures of rutile exposing high-index facets. Journal of Crystal Growth, 2015, 418, 86-91.	0.7	14
110	Large enhancement of photocatalytic activity by chemical etching of TiO2 crystallized glass. APL Materials, 2014, 2, .	2.2	13
111	Synthesis and photocatalytic properties of tetragonal tungsten bronze type oxynitrides. Applied Catalysis B: Environmental, 2017, 206, 444-448.	10.8	13
112	A high-luminescence BaZrSi3O9:Eu2+ blueâ€“green-emitting phosphor: Synthesis and mechanism. Journal of Luminescence, 2017, 181, 211-216.	1.5	13
113	Expansion of the photoresponse window of a BiVO₄ photocatalyst by doping with chromium(<scp>vi</scp>). RSC Advances, 2018, 8, 38140-38145.	1.7	13
114	Photoluminescence Properties of Layered Perovskite-Type Strontium Scandium Oxyfluoride Activated With Mn4+. Frontiers in Chemistry, 2018, 6, 467.	1.8	13
115	Hydrothermal synthesis of hierarchical TiO2 microspheres using a novel titanium complex coordinated by picolinic acid. Journal of the Ceramic Society of Japan, 2011, 119, 513-516.	0.5	12
116	Orange Emission from (Ba_{1-X}Sr_X)₄Al₂S₇:Eu²⁺Thioaluminate Phosphors with Visible Light Excitation. ECS Journal of Solid State Science and Technology, 2013, 2, R3107-R3111.	0.9	12
117	Insights into a selective synthesis of anatase, rutile, and brookite-type titanium dioxides by a hydrothermal treatment of titanium complexes. Journal of Materials Research, 2014, 29, 90-97.	1.2	12
118	Photocatalytic Activities of Noble Metal Ion Doped SrTiO3 under Visible Light Irradiation.. ChemInform, 2004, 35, no.	0.1	11
119	Improvement of hydrogen evolution under visible light over Zn1â^'2x(CuGa)xGa2S4 photocatalysts by synthesis utilizing a polymerizable complex method. Journal of Materials Chemistry A, 2015, 3, 14239-14244.	5.2	11
120	Discovery of Novel Delafossite-type Compounds Composed of Copper(I) Lithium Titanium with Photocatalytic Activity for H2 Evolution under Visible Light. Chemistry Letters, 2015, 44, 973-975.	0.7	10
121	Effects of the SrTiO₃ support on visible-light water oxidation with Co₃O₄ nanoparticles. Dalton Transactions, 2017, 46, 16959-16966.	1.6	10
122	Ce⁴⁺-Based Compounds Capable of Photoluminescence by Charge Transfer Excitation under Near-Ultravioletâ€“Visible Light. Inorganic Chemistry, 2018, 57, 14524-14531.	1.9	10
123	Synthesis of an oxynitride-based green phosphor Ba3Si6O12N2:Eu2+via an aqueous-solution process, using propylene-glycol-modified silane. Journal of Information Display, 2012, 13, 107-111.	2.1	9
124	B-site-ordered Double-perovskite Oxide Up-conversion Phosphors Doped with Yb and Ho, Er, or Tm. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2019, 32, 593-596.	0.1	9
125	Effect of hydroxy and carboxy groups on anisotropic growth of rutile-type titania under hydrothermal conditions. Journal of Asian Ceramic Societies, 2017, 5, 320-325.	1.0	8
126	A Waterâ€Splitting System with a Cobalt (II,III) Oxide Coâ€Catalystâ€Loaded Bismuth Vanadate Photoanode Along with an Organoâ€Photocathode. ChemElectroChem, 2020, 7, 5029-5035.	1.7	8

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127	Photocatalytic Properties of HCa2Nb3O10 Prepared by Polymerizable Complex Method. Journal of the Ceramic Society of Japan, 2007, 115, 511-513.	0.5	7
128	Photocatalytic Water Splitting over LaTa7O19 Composed of TaO7 Pentagonal Bipyramids and TaO6 Octahedra. Chemistry Letters, 2013, 42, 744-746.	0.7	7
129	Synthesis, Structure, and Photoluminescence of a Novel Oxynitride BaYSi₂O₅N Activated by Eu²⁺ and Ce³⁺. Chemistry Letters, 2017, 46, 795-797.	0.7	7
130	Hydrothermal Synthesis of Pseudocubic Rutile-Type Titania Particles. Ceramics, 2019, 2, 56-63.	1.0	7
131	Synthesis and luminescence properties of a Cyanâ€blue thiosilicateâ€based Phosphor SrSi2S5:Eu2+. Journal of Information Display, 2010, 11, 135-139.	2.1	6
132	The significance of phosphate source in the preparation of functional luminescent phosphate materials. Journal of the Ceramic Society of Japan, 2014, 122, 626-629.	0.5	6
133	Effect of Site Occupancies on Deep-red Emission from Eu²⁺-activated Ca₂SiO₄ Phosphor. Chemistry Letters, 2016, 45, 321-323.	0.7	6
134	Observation of visible light-driven water splitting by TiO2 crystallized glass. International Journal of Hydrogen Energy, 2016, 41, 22055-22058.	3.8	6
135	Synthesis of Rare Earth Niobate and Tantalate Powders via a Peroxo Complex Route. Chemistry Letters, 2017, 46, 1515-1517.	0.7	6
136	Development of two novel Eu2+-activated phosphors in the Naâ€“Scâ€“Siâ€“O system and their photoluminescence properties. Journal of Luminescence, 2014, 154, 285-289.	1.5	5
137	Growth of TiO₂ microspheres with a radially oriented configuration. CrystEngComm, 2017, 19, 4832-4837.	1.3	5
138	Analysis of growth kinetics and impact of NH3 on the morphology evolution of hexagonal-prism shaped Y4O(OH)9NO3/Y2O3 single crystals. Materials Research Bulletin, 2017, 95, 597-606.	2.7	5
139	Development of a Novel Green-Emitting Phosphate Phosphor KSrY(PO₄)₂:Eu²⁺. Optics and Photonics Journal, 2013, 03, 19-24.	0.3	5
140	Electrical Properties of Amorphous Carbon Semiconductor Prepared Using a Naphthalene Precursor. Bulletin of the Chemical Society of Japan, 2013, 86, 45-50.	2.0	4
141	Twoâ€Dimensional Perovskite Oxynitride K₂LaTa₂O₆N with an H⁺/K⁺ Exchangeability in Aqueous Solution Forming a Stable Photocatalyst for Visibleâ€Light H₂ Evolution. Angewandte Chemie, 2020, 132, 9823-9830.	1.6	4
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