

Hideki Abe

List of Publications by Year in descending order

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169
papers

5,973
citations

81839

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85498

71
g-index

176
all docs

176
docs citations

176
times ranked

8249
citing authors

#	ARTICLE	IF	CITATIONS
1	Covalency-reinforced oxygen evolution reaction catalyst. Nature Communications, 2015, 6, 8249.	5.8	393
2	Enzyme nanoarchitectonics: organization and device application. Chemical Society Reviews, 2013, 42, 6322.	18.7	376
3	Integrated tuneable synthesis of liquid fuels via Fischer-Tropsch technology. Nature Catalysis, 2018, 1, 787-793.	16.1	300
4	Mesoporous metallic rhodium nanoparticles. Nature Communications, 2017, 8, 15581.	5.8	214
5	Anisotropy of superconductivity from MgB ₂ single crystals. Applied Physics Letters, 2001, 79, 2779-2781.	1.5	207
6	Photocatalytic uphill conversion of natural gas beyond the limitation of thermal reaction systems. Nature Catalysis, 2020, 3, 148-153.	16.1	194
7	Catalytic nanoarchitectonics for environmentally compatible energy generation. Materials Today, 2016, 19, 12-18.	8.3	163
8	Electrocatalytic Performance of Fuel Oxidation by Pt ₃ Ti Nanoparticles. Journal of the American Chemical Society, 2008, 130, 5452-5458.	6.6	157
9	Materials nanoarchitectonics for environmental remediation and sensing. Journal of Materials Chemistry, 2012, 22, 2369-2377.	6.7	156
10	Photocatalytic Water Splitting under Visible Light by Mixed-Valence Sn ₃ O ₄ . ACS Applied Materials & Interfaces, 2014, 6, 3790-3793.	4.0	148
11	Superconductivity of Ca(Al _{0.5} Si _{0.5}) ₂ , a ternary silicide with the AlB ₂ -type structure. Applied Physics Letters, 2002, 80, 1019-1021.	1.5	120
12	Gold photosensitized SrTiO ₃ for visible-light water oxidation induced by Au interband transitions. Journal of Materials Chemistry A, 2014, 2, 9875.	5.2	106
13	Superconductivity of Ternary Silicide with the AlB ₂ -Type Structure Sr(Ga _{0.37} Si _{0.63}) ₂ . Physical Review Letters, 2001, 87, 077003.	2.9	93
14	Constructing cubic-orthorhombic surface-phase junctions of NaNbO ₃ towards significant enhancement of CO ₂ photoreduction. Journal of Materials Chemistry A, 2014, 2, 5606-5609.	5.2	93
15	Preparation and Structure of a New Germanium Clathrate, Ba ₂₄ Ge ₁₀₀ . Journal of Solid State Chemistry, 2000, 151, 117-121.	1.4	92
16	Selective electro- or photo-reduction of carbon dioxide to formic acid using a Cu-Zn alloy catalyst. Journal of Materials Chemistry A, 2017, 5, 12113-12119.	5.2	92
17	Field-induced magnetic ordering in the quantum spin system KCuCl ₃ . Physical Review B, 2002, 66, .	1.1	91
18	Open-Mouthed Metallic Microcapsules: Exploring Performance Improvements at Agglomeration-Free Interiors. Journal of the American Chemical Society, 2010, 132, 14415-14417.	6.6	89

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19	Nanoporous ultra-high-entropy alloys containing fourteen elements for water splitting electrocatalysis. <i>Chemical Science</i> , 2021, 12, 11306-11315.	3.7	88
20	Plasmonic Janus-Composite Photocatalyst Comprising Au and Ca ²⁺ -TiO ₂ for Enhanced Aerobic Oxidation over a Broad Visible-Light Range. <i>Advanced Functional Materials</i> , 2014, 24, 7754-7762.	7.8	83
21	Low-Temperature Remediation of NO Catalyzed by Interleaved CuO Nanoplates. <i>Advanced Materials</i> , 2014, 26, 4481-4485.	11.1	79
22	Activated interiors of clay nanotubes for agglomeration-tolerant automotive exhaust remediation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6614-6619.	5.2	77
23	Heteroepitaxy of Layered Semiconductor GaSe on a GaAs(111)B Surface. <i>Japanese Journal of Applied Physics</i> , 1991, 30, L1352-L1354.	0.8	63
24	Pt Nanoparticles Supported on Mesoporous CeO ₂ Nanostructures Obtained through Green Approach for Efficient Catalytic Performance toward Ethanol Electro-oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 11290-11299.	3.2	63
25	Superconductivity of MI(MII _{0.5} Si _{0.5}) ₂ (MI=Sr and Ba, MII=Al and Ga), ternary silicides with the AlB ₂ -type structure. <i>Physica C: Superconductivity and Its Applications</i> , 2002, 382, 361-366.	0.6	58
26	Controlled synthesis of Pt nanoparticle supported TiO ₂ nanorods as efficient and stable electrocatalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23435-23444.	5.2	55
27	Naked-Eye Discrimination of Methanol from Ethanol Using Composite Film of Oxoporphyrinogen and Layered Double Hydroxide. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 5927-5930.	4.0	50
28	Visible light photocatalytic activities of template free porous graphitic carbon nitride-BiOBr composite catalysts towards the mineralization of reactive dyes. <i>Applied Surface Science</i> , 2017, 426, 1030-1045.	3.1	47
29	Magnetic Properties of LnMnO ₃ (Ln=Ho, Er, Tm, Yb, and Lu). <i>Journal of Solid State Chemistry</i> , 2002, 165, 131-135.	1.4	46
30	Visible-light-driven dry reforming of methane using a semiconductor-supported catalyst. <i>Chemical Communications</i> , 2020, 56, 4611-4614.	2.2	46
31	Electrical properties of polycrystalline SrSi ₂ . <i>Applied Physics Letters</i> , 2005, 86, 032102.	1.5	45
32	Colorimetric detection of trace water in tetrahydrofuran using N,N ² -substituted oxoporphyrinogens. <i>Chemical Communications</i> , 2012, 48, 3933.	2.2	45
33	Bonding and Electron Energy-Level Alignment at Metal/TiO ₂ Interfaces: A Density Functional Theory Study. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5549-5556.	1.5	45
34	Sintering-Resistant Nanoparticles in Wide-Mouthed Compartments for Sustained Catalytic Performance. <i>Scientific Reports</i> , 2017, 7, 41773.	1.6	44
35	Valence Transitions in Negative Thermal Expansion Material SrCu ₃ Fe ₄ O ₁₂ . <i>Inorganic Chemistry</i> , 2014, 53, 10563-10569.	1.9	43
36	Promoted C-C bond cleavage over intermetallic TaPt ₃ catalyst toward low-temperature energy extraction from ethanol. <i>Energy and Environmental Science</i> , 2015, 8, 1685-1689.	15.6	43

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37	Unique defect structure and advantageous vortex pinning properties in superconducting CaKFe ₄ As ₄ . Npj Quantum Materials, 2019, 4, .	1.8	43
38	Large and significantly anisotropic critical current density induced by planar defects in CaKFe ₄ As ₄ single crystals. Physical Review B, 2019, 99, .	1.1	42
39	Superconductivity of ternary silicides A(Gax,Si ^{1-x}) ₂ (A=Ca, Sr, and Ba). Physica C: Superconductivity and Its Applications, 2002, 377, 96-100.	0.6	40
40	Superconducting properties of single-crystalline Ca(Al _{0.5} ,Si _{0.5}) ₂ : A ternary silicide with the AlB ₂ -type structure. Physical Review B, 2003, 68, .	1.1	39
41	Pt ₃ Ti Nanoparticles: Fine Dispersion on SiO ₂ Supports, Enhanced Catalytic CO Oxidation, and Chemical Stability at Elevated Temperatures. Langmuir, 2010, 26, 11446-11451.	1.6	39
42	Mesoporous Bimetallic RhCu Alloy Nanospheres Using a Sophisticated Soft-Templating Strategy. Chemistry of Materials, 2018, 30, 428-435.	3.2	39
43	Correlation between the surface electronic structure and CO-oxidation activity of Pt alloys. Physical Chemistry Chemical Physics, 2015, 17, 4879-4887.	1.3	37
44	Enantioselective Total Synthesis of (±)-Candelalides A, B and C: Potential Kv1.3 Blocking Immunosuppressive Agents. Chemistry - A European Journal, 2009, 15, 2826-2845.	1.7	36
45	Doping effects of Ru in La _{0.5} Sr _{0.5} CoO ₃ (L=La,Pr, Nd, Sm, and Eu). Physical Review B, 2003, 67, .	1.1	35
46	Stimulation of Electro-oxidation Catalysis by Bulk-Structural Transformation in Intermetallic ZrPt ₃ Nanoparticles. ACS Applied Materials & Interfaces, 2014, 6, 16124-16130.	4.0	35
47	Observation of Energy Gap in FeGa ₃ . Journal of the Physical Society of Japan, 2008, 77, 024705.	0.7	34
48	Synthesis and electrocatalytic performance of atomically ordered nickel carbide (Ni ₃ C) nanoparticles. Chemical Communications, 2014, 50, 6451-6453.	2.2	34
49	Visible-light photodecomposition of acetaldehyde by TiO ₂ -coated gold nanocages: plasmon-mediated hot electron transport via defect states. Chemical Communications, 2014, 50, 15553-15556.	2.2	33
50	Facile route for the preparation of ordered intermetallic Pt ₃ Pb core-shell nanoparticles and its enhanced activity for alkaline methanol and ethanol oxidation. Journal of Power Sources, 2015, 273, 990-998.	4.0	33
51	Atomic architectonics, nanoarchitectonics and microarchitectonics for strategies to make junk materials work as precious catalysts. CrystEngComm, 2016, 18, 6770-6778.	1.3	32
52	Electrical Properties of Single-Crystalline CaAl ₂ Si ₂ . Inorganic Chemistry, 2004, 43, 5186-5188.	1.9	31
53	NbPt ₃ Intermetallic Nanoparticles: Highly Stable and CO-Tolerant Electrocatalyst for Fuel Oxidation. ChemElectroChem, 2014, 1, 728-732.	1.7	31
54	Hetero-epitaxy of layered compound semiconductor GaSe onto GaAs surfaces for very effective passivation of nanometer structures. Surface Science, 1992, 267, 43-46.	0.8	30

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55	Charge-Order Melting in Charge-Disproportionated Perovskite $\text{CeCu}_3\text{Fe}_4\text{O}_{12}$. <i>Inorganic Chemistry</i> , 2014, 53, 11794-11801.	1.9	29
56	A Cu-Zn nanoparticle promoter for selective carbon dioxide reduction and its application in visible-light-active Z-scheme systems using water as an electron donor. <i>Chemical Communications</i> , 2018, 54, 3947-3950.	2.2	28
57	Novel visible-light sensitive vanadate photocatalysts for water oxidation: implications from density functional theory calculations. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10720-10723.	5.2	27
58	Topologically immobilized catalysis centre for long-term stable carbon dioxide reforming of methane. <i>Chemical Science</i> , 2019, 10, 3701-3705.	3.7	27
59	Antiferromagnetic Order in $\text{Bi}_4\text{Cu}_3\text{V}_2\text{O}_{14}$ with Novel Spin Chain. <i>Journal of the Physical Society of Japan</i> , 2002, 71, 1161-1165.	0.7	25
60	Structure, magnetism and transport of the perovskite manganites $\text{Ln}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ (Ln=Ho, Er, Tm, Yb) <i>Tj ETQq0 0 0 rgBT /Overlock 10</i>	1.4	25
61	Synthesis of Mesoporous Pt-Ru Alloy Particles with Uniform Sizes by Sophisticated Hard-Templating Method. <i>Chemistry - an Asian Journal</i> , 2013, 8, 902-907.	1.7	25
62	Long-term, stable, and improved oxygen-reduction performance of titania-supported Pt/Pb nanoparticles. <i>Catalysis Science and Technology</i> , 2014, 4, 1436-1445.	2.1	25
63	Polymeric micelle assembly for the direct synthesis of functionalized mesoporous silica with fully accessible Pt nanoparticles toward an improved CO oxidation reaction. <i>Chemical Communications</i> , 2014, 50, 9101-9104.	2.2	24
64	Mixed-valence NaSb_3O_7 support toward improved electrocatalytic performance in the oxygen-reduction reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1667-1671.	5.2	24
65	Hydrogen-bond-driven "homogeneous intercalation" for rapid, reversible, and ultra-precise actuation of layered clay nanosheets. <i>Chemical Communications</i> , 2013, 49, 3631.	2.2	23
66	Characterization of Epitaxial Films of Layered Materials Using Moiré Images of Scanning Tunneling Microscope. <i>Japanese Journal of Applied Physics</i> , 1993, 32, 2945-2949.	0.8	22
67	Magnetic properties of CeRh_2Si_2 and CePd_2Si_2 single crystals. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 177-181, 479-480.	1.0	21
68	Magnetization Process of an $S=1/2$ Tetramer Chain with Ferromagnetic-Ferromagnetic-Antiferromagnetic-Antiferromagnetic Bond Alternating Interactions. <i>Journal of the Physical Society of Japan</i> , 2003, 72, 943-946.	0.7	21
69	Superconducting properties of MgB_2 films electroplated to stainless steel substrates. <i>Applied Physics Letters</i> , 2004, 85, 6197-6199.	1.5	21
70	Enantioselective Total Synthesis of (+)-Ottelione A, (-)-Ottelione B, (+)-3-Ottelione A and Preliminary Evaluation of Their Antitumor Activity. <i>Chemistry - A European Journal</i> , 2007, 13, 9866-9881.	1.7	21
71	Light-promoted conversion of greenhouse gases over plasmonic metal-carbide nanocomposite catalysts. <i>Materials Chemistry Frontiers</i> , 2018, 2, 580-584.	3.2	20
72	Structural refinement of $\text{T}_2\text{Mo}_3\text{O}_8$ (T=Mg, Co, Zn and Mn) and anomalous valence of trinuclear molybdenum clusters in $\text{Mn}_2\text{Mo}_3\text{O}_8$. <i>Journal of Solid State Chemistry</i> , 2010, 183, 379-384.	1.4	19

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73	Photo-assisted Dry Reforming of Methane over Strontium Titanate. <i>Chemistry Letters</i> , 2018, 47, 935-937.	0.7	19
74	Synergistic photothermal and photochemical partial oxidation of methane over noble metals incorporated in mesoporous silica. <i>Chemical Communications</i> , 2019, 55, 13765-13768.	2.2	19
75	Active faceted nanoporous ruthenium for electrocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19788-19792.	5.2	19
76	Identification of the new intermetallic compounds Y ₃ Ni ₄ B ₄ C ₃ and YNi ₁ B ₁ C ₁ ; related homologous series (LnC) _m (Bâ€“Niâ€“B) _n . <i>Physica C: Superconductivity and Its Applications</i> , 1997, 291, 332-340.	0.6	18
77	Structure, magnetism and transport of La ₂ NiRuO ₆ . <i>Journal of Alloys and Compounds</i> , 2003, 348, 236-240.	2.8	18
78	Electrochemical immobilization of Cs in single-crystalline SYNROC. <i>Journal of Solid State Chemistry</i> , 2006, 179, 1521-1524.	1.4	18
79	Earthâ€“Abundant and Durable Nanoporous Catalyst for Exhaustâ€“Gas Conversion. <i>Advanced Functional Materials</i> , 2016, 26, 1609-1616.	7.8	18
80	Nanophase-separated Ni ₃ Nb as an automobile exhaust catalyst. <i>Chemical Science</i> , 2017, 8, 3374-3378.	3.7	18
81	Superior CO Catalytic Oxidation on Novel Pt/Clay Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 11613-11617.	4.0	17
82	Crystallographic and magnetic properties of Cu ₂ U-type hexaferrite. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 375, 54-60.	1.0	17
83	Plasmon-mediated photothermal conversion by TiN nanocubes toward CO oxidation under solar light illumination. <i>RSC Advances</i> , 2016, 6, 110566-110570.	1.7	17
84	Metal Carbide as A Lightâ€“Harvesting and Anticoking Catalysis Support for Dry Reforming of Methane. <i>Global Challenges</i> , 2020, 4, 1900067.	1.8	17
85	Synthesis and magnetic characterization of Sr-based Ni ₂ X-type hexaferrite. <i>AIP Advances</i> , 2015, 5, .	0.6	16
86	Low-temperature synthesis of copper oxide (CuO) nanostructures with temperature-controlled morphological variations. <i>Ceramics International</i> , 2015, 41, 9426-9432.	2.3	16
87	Magnetism and transport of Ln _{0.5} Sr _{0.5} CoO ₃ (Ln=Pr, Nd, Sm, Eu and Gd). <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 239, 85-87.	1.0	15
88	Non-stoichiometric Fe _x WN ₂ : Leaching of Fe from layer-structured FeWN ₂ . <i>Journal of Solid State Chemistry</i> , 2010, 183, 327-331.	1.4	15
89	Influence of pH on dendritic structure of strongly fluorescent persulfate-treated poly(amidoamine) dendrimer. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 224, 102-109.	2.0	15
90	Tailoring the surface-oxygen defects of a tin dioxide support towards an enhanced electrocatalytic performance of platinum nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 5932-5937.	1.3	15

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91	Synthesis of Single Phase Sn ₃ O ₄ : Native Visible-Light-Sensitive Photocatalyst with High Photocatalytic Performance for Hydrogen Evolution. Journal of Nanoscience and Nanotechnology, 2017, 17, 3454-3459.	0.9	15
92	Photocatalytic Partial Oxidation of Methane on Palladium-Loaded Strontium Tantalate. Solar Rrl, 2019, 3, 1900076.	3.1	15
93	Saloplastics as multiresponsive ion exchange reservoirs and catalyst supports. Journal of Materials Chemistry A, 2020, 8, 17713-17724.	5.2	15
94	Heteroepitaxial Growth of Layered GaSe Films on GaAs(001) Surfaces. Japanese Journal of Applied Physics, 1993, 32, L1444-L1447.	0.8	14
95	Nanostructured polymeric yolk-shell capsules: a versatile tool for hierarchical nanocatalyst design. Journal of Materials Chemistry A, 2016, 4, 9850-9857.	5.2	14
96	In-Situ TEM Study of a Nanoporous Ni-Co Catalyst Used for the Dry Reforming of Methane. Metals, 2017, 7, 406.	1.0	14
97	CO ₂ oxidative coupling of methane using an earth-abundant CaO-based catalyst. Scientific Reports, 2019, 9, 15454.	1.6	14
98	Elastoresistance measurements on CaKFe_4 and KC_2 . Physical Review B, 2020, 102, .	1.1	14
99	Pressure effect on the electrical resistance of SrSi ₂ . Intermetallics, 2007, 15, 956-960.	1.8	13
100	Fabrication and surface characterization of single crystal PtBi and PtPb (100) and (001) surfaces. Physical Chemistry Chemical Physics, 2010, 12, 12978.	1.3	13
101	Electronic transitions in CePd ₂ Si ₂ studied by resonant x-ray emission spectroscopy at high pressures and low temperatures. Physical Review B, 2012, 86, .	1.1	12
102	Effects of cation concentration on photocatalytic performance over magnesium vanadates. APL Materials, 2015, 3, 104405.	2.2	11
103	A dual soft-template synthesis of hollow mesoporous silica spheres decorated with Pt nanoparticles as a CO oxidation catalyst. RSC Advances, 2015, 5, 97928-97933.	1.7	11
104	Design of p-type transparent conducting oxides Sn ₂ GeO ₄ by an <i>ab initio</i> evolutionary structure search. Journal of Materials Chemistry C, 2018, 6, 11202-11208.	2.7	11
105	Visible-Light-Induced CO ₂ Reduction by Mixed-Valence Tin Oxide. ACS Applied Energy Materials, 2021, 4, 13415-13419.	2.5	11
106	Single-crystal growth of silver-lead oxide Ag ₅ Pb ₂ O ₆ from fused nitrates. Journal of Crystal Growth, 2002, 241, 347-351.	0.7	10
107	Surface characterization of ordered intermetallic PtBi(001) surfaces by ultra-high vacuum electrochemistry (UHV-EC). Surface Science, 2008, 602, 1830-1836.	0.8	10
108	Pt Decorated Free-Standing TiO ₂ Nanotube Arrays: Highly Active and Durable Electrocatalyst for Oxygen Reduction and Methanol Oxidation Reactions. Journal of Nanoscience and Nanotechnology, 2016, 16, 8269-8278.	0.9	10

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109	Intermetallic Pd ₃ X (X = Ti and Zr) nanocrystals for electro-oxidation of alcohols and formic acid in alkaline and acidic media. <i>Science and Technology of Advanced Materials</i> , 2020, 21, 573-583.	2.8	10
110	Ferromagnetism in ErTi ₂ Ga ₄ . <i>Journal of the Physical Society of Japan</i> , 2001, 70, 3042-3045.	0.7	9
111	Electrical transport properties of bulk MgB ₂ materials synthesized by electrolysis on fused mixtures of MgCl ₂ , NaCl, KCl and MgB ₂ O ₄ . <i>Superconductor Science and Technology</i> , 2002, 15, L25-L27.	1.8	9
112	Post-synthesis dispersion of metal nanoparticles by poly(amidoamine) dendrimers: size-selective inclusion, water solubilization, and improved catalytic performance. <i>Chemical Communications</i> , 2012, 48, 7441.	2.2	9
113	Band-Gap Engineering of NaNbO ₃ for Photocatalytic H ₂ Evolution with Visible Light. <i>International Journal of Photoenergy</i> , 2014, 2014, 1-6.	1.4	9
114	Nanoporous Nickel Composite Catalyst for the Dry Reforming of Methane. <i>ACS Omega</i> , 2018, 3, 16651-16657.	1.6	9
115	Charge partitioning by intertwined metal-oxide nano-architectural networks for the photocatalytic dry reforming of methane. <i>Chem Catalysis</i> , 2022, 2, 321-329.	2.9	9
116	Successive Field Induced Magnetic Phase Transitions of Heavy Fermion Compound CeRh ₂ Si ₂ . <i>Journal of the Physical Society of Japan</i> , 1997, 66, 2525-2526.	0.7	8
117	Magnetic study of the mixed orthotitanate La _{1-x} SmxTiO ₃ (0 ≤ x ≤ 1). <i>Journal of Alloys and Compounds</i> , 1999, 290, 236-243.	2.8	8
118	Magnetic behavior of CeTi _{1-x} V _x O ₃ . <i>Journal of Alloys and Compounds</i> , 2002, 343, 199-203.	2.8	8
119	Structure and magnetism of Eu _{1-x} Dy _x TiO ₃ . <i>Journal of Solid State Chemistry</i> , 2003, 171, 345-348.	1.4	8
120	Electroplating of the superconductive boride MgB ₂ from molten salts. <i>Journal of Physics and Chemistry of Solids</i> , 2005, 66, 406-409.	1.9	8
121	Effective Use of Platinum Group Metals. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2011, 75, 10-20.	0.2	8
122	Visible light induced decomposition of organic compounds on WO ₃ loaded PtPb co-catalysts. <i>Catalysis Communications</i> , 2014, 56, 96-100.	1.6	8
123	Enhanced Activity for Oxygen Reduction Reactions by Carbon-supported High-index-facet Pt-Ti Nanoparticles. <i>Electrochemistry</i> , 2015, 83, 7-11.	0.6	8
124	Mesoporous Rh Emerging from Nanophase-separated Rh ₂ Al Alloy. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2802-2805.	1.7	8
125	Scanning Tunneling Microscope Observation of the Metal-Adsorbed Layered Semiconductor Surfaces. <i>Japanese Journal of Applied Physics</i> , 1995, 34, 3342-4445.	0.8	7
126	Structure and Electrical Transport Property of a Silicopnictide ZrCuSiP. <i>Journal of Solid State Chemistry</i> , 2002, 165, 372-374.	1.4	7

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127	CO tolerance of Pt/FeOx catalyst in both thermal catalytic H ₂ oxidation and electrochemical CO oxidation: the effect of Pt deficit electron state. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 29607-29615.	1.3	7
128	N ₂ O-emission-free exhaust remediation by Rh-NbOx nanocomposites developed from Rh ₃ Nb alloy precursor. <i>RSC Advances</i> , 2017, 7, 9628-9631.	1.7	7
129	Gas-Phase Photoelectrocatalysis Mediated by Oxygen Ions for Uphill Conversion of Greenhouse Gases. <i>ChemPhotoChem</i> , 2021, 5, 275-281.	1.5	7
130	Active site separation of photocatalytic steam reforming of methane using a gas-phase photoelectrochemical system. <i>Chemical Communications</i> , 2021, 57, 8007-8010.	2.2	7
131	Magnetic properties and resistivity of ternary compounds CeNi ₂ X ₂ (X=Sb, As, P). <i>Journal of Alloys and Compounds</i> , 2001, 323-324, 520-523.	2.8	6
132	Electrochemical Synthesis of Superconductive Boride MgB ₂ from Molten Salts. <i>Japanese Journal of Applied Physics</i> , 2002, 41, L685-L687.	0.8	6
133	Electrochemical synthesis of superconductive MgB ₂ from molten salts. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 388-389, 113-114.	0.6	6
134	In Situ TEM Study of Rh Particle Sintering for Three-Way Catalysts in High Temperatures. <i>Catalysts</i> , 2021, 11, 19.	1.6	6
135	de Haas-van Alphen Effect Study of CeRh ₂ Si ₂ . <i>Journal of the Physical Society of Japan</i> , 1998, 67, 1852-1855.	0.7	5
136	Magnetic properties of induced ferromagnet PrPtAl. <i>Journal of Applied Physics</i> , 1999, 85, 4480-4481.	1.1	5
137	Synthesis of Metastable Au-Fe Alloy Using Ordered Nanoporous Silica as a Hard Template. <i>Metals</i> , 2018, 8, 17.	1.0	5
138	High-field magnetization and other physical properties of Ce ₂ T ₃ X ₅ compounds (T=Pt, Rh and Cu; X=Si) <i>Tj ETQq0 0,0 rgBT /Overlock 10</i>	1.0	4
139	Neutron diffraction and X-ray absorption study of CaMn _{0.6} Ru _{0.4} O ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, E609-E611.	1.0	4
140	Constructing Sn-doped SrNb ₂ O ₆ for visible light response driven H ₂ and O ₂ evolution from water. <i>Catalysis Science and Technology</i> , 2019, 9, 3619-3622.	2.1	4
141	Topological trends in ionic transport through metal-oxide composites. <i>Applied Physics Letters</i> , 2021, 118, 054102.	1.5	4
142	Magnetic Properties of Ce _{1-x} Nd _x TiO ₃ and Some Solid Solution Orthotitanates Ln _{1-x} Ln ₂ xTiO ₃ (Ln and) <i>Tj ETQq0 0 0 rgBT /Overlock 1,4 3</i>	1.4	3
143	High-Field Magnetization of Single Crystalline TbRh ₂ Si ₂ . <i>Journal of the Physical Society of Japan</i> , 2002, 71, 1565-1569.	0.7	3
144	Complex magnetic phase diagram of CeRh ₂ Ge ₂ . <i>Physica B: Condensed Matter</i> , 2002, 312-313, 253-255.	1.3	3

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145	Magnetic Properties of $\text{LnTi}_{0.5}\text{V}_{0.5}\text{O}_3$ (Ln=Ce and Pr). Journal of Solid State Chemistry, 2001, 156, 452-457.	1.4	2
146	Single Crystalline MgB_2 Superconductor. Journal of the Physical Society of Japan, 2002, 71, 320-322.	0.7	2
147	Electrochemical preparation of single-crystalline Cr_2O_3 from molten salts. Journal of Crystal Growth, 2004, 267, 42-46.	0.7	2
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