Hideki Abe

List of Publications by Year in descending order

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169	5,973	81900	85541
papers	citations	39 h-index	71 g-index

176	176	176	8249
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Covalency-reinforced oxygen evolution reaction catalyst. Nature Communications, 2015, 6, 8249.	12.8	393
2	Enzyme nanoarchitectonics: organization and device application. Chemical Society Reviews, 2013, 42, 6322.	38.1	376
3	Integrated tuneable synthesis of liquid fuels via Fischerâ€“Tropsch technology. Nature Catalysis, 2018, 1, 787-793.	34.4	300
4	Mesoporous metallic rhodium nanoparticles. Nature Communications, 2017, 8, 15581.	12.8	214
5	Anisotropy of superconductivity from MgB2 single crystals. Applied Physics Letters, 2001, 79, 2779-2781.	3.3	207
6	Photocatalytic uphill conversion of natural gas beyond the limitation of thermal reaction systems. Nature Catalysis, 2020, 3, 148-153.	34.4	194
7	Catalytic nanoarchitectonics for environmentally compatible energy generation. Materials Today, 2016, 19, 12-18.	14.2	163
8	Electrocatalytic Performance of Fuel Oxidation by Pt₃Ti Nanoparticles. Journal of the American Chemical Society, 2008, 130, 5452-5458.	13.7	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 Sn₃O₄. ACS Applied Materials & Interfaces, 2014, 6, 3790-3793.	8.0	148
11	Superconductivity of Ca(Al0.5,Si0.5)2, a ternary silicide with the AlB2-type structure. Applied Physics Letters, 2002, 80, 1019-1021.	3.3	120
12	Gold photosensitized SrTiO3 for visible-light water oxidation induced by Au interband transitions. Journal of Materials Chemistry A, 2014, 2, 9875.	10.3	106
13	Superconductivity of Ternary Silicide with theAlB2-Type StructureSr(Ga0.37,Si0.63)2. Physical Review Letters, 2001, 87, 077003.	7.8	93
14	Constructing cubicâ€“orthorhombic surface-phase junctions of NaNbO₃ towards significant enhancement of CO₂ photoreduction. Journal of Materials Chemistry A, 2014, 2, 5606-5609.	10.3	93
15	Preparation and Structure of a New Germanium Clathrate, Ba24Ge100. Journal of Solid State Chemistry, 2000, 151, 117-121.	2.9	92
16	Selective electro- or photo-reduction of carbon dioxide to formic acid using a Cuâ€“Zn alloy catalyst. Journal of Materials Chemistry A, 2017, 5, 12113-12119.	10.3	92
17	Field-induced magnetic ordering in the quantum spin systemKCuCl3. Physical Review B, 2002, 66, .	3.2	91
18	Open-Mouthed Metallic Microcapsules: Exploring Performance Improvements at Agglomeration-Free Interiors. Journal of the American Chemical Society, 2010, 132, 14415-14417.	13.7	89

#	Article	IF	Citations
19	Nanoporous ultra-high-entropy alloys containing fourteen elements for water splitting electrocatalysis. Chemical Science, 2021, 12, 11306-11315.	7.4	88
20	Plasmonic Janusâ€Composite Photocatalyst Comprising Au and Câ€“TiO₂ for Enhanced Aerobic Oxidation over a Broad Visibleâ€Light Range. Advanced Functional Materials, 2014, 24, 7754-7762.	14.9	83
21	Lowâ€Temperature Remediation of NO Catalyzed by Interleaved CuO Nanoplates. Advanced Materials, 2014, 26, 4481-4485.	21.0	79
22	Activated interiors of clay nanotubes for agglomeration-tolerant automotive exhaust remediation. Journal of Materials Chemistry A, 2015, 3, 6614-6619.	10.3	77
23	Heteroepitaxy of Layered Semiconductor GaSe on a GaAs(111)B Surface. Japanese Journal of Applied Physics, 1991, 30, L1352-L1354.	1.5	63
24	Pt Nanoparticles Supported on Mesoporous CeO₂ Nanostructures Obtained through Green Approach for Efficient Catalytic Performance toward Ethanol Electro-oxidation. ACS Sustainable Chemistry and Engineering, 2017, 5, 11290-11299.	6.7	63
25	Superconductivity of MI(MII0.5,Si0.5)2 (MI=Sr and Ba, MII=Al and Ga), ternary silicides with the AlB2-type structure. Physica C: Superconductivity and Its Applications, 2002, 382, 361-366.	1.2	58
26	Controlled synthesis of Pt nanoparticle supported TiO₂ nanorods as efficient and stable electrocatalysts for the oxygen reduction reaction. Journal of Materials Chemistry A, 2018, 6, 23435-23444.	10.3	55
27	Naked-Eye Discrimination of Methanol from Ethanol Using Composite Film of Oxoporphyrinogen and Layered Double Hydroxide. ACS Applied Materials & Interfaces, 2013, 5, 5927-5930.	8.0	50
28	Visible light photocatalytic activities of template free porous graphitic carbon nitrideâ€”BiOBr composite catalysts towards the mineralization of reactive dyes. Applied Surface Science, 2017, 426, 1030-1045.	6.1	47
29	Magnetic Properties of LnMnO3 (Ln=Ho, Er, Tm, Yb, and Lu). Journal of Solid State Chemistry, 2002, 165, 131-135.	2.9	46
30	Visible-light-driven dry reforming of methane using a semiconductor-supported catalyst. Chemical Communications, 2020, 56, 4611-4614.	4.1	46
31	Electrical properties of polycrystalline SrSi2. Applied Physics Letters, 2005, 86, 032102.	3.3	45
32	Colorimetric detection of trace water in tetrahydrofuran using N,Nâ€²-substituted oxoporphyrinogens. Chemical Communications, 2012, 48, 3933.	4.1	45
33	Bonding and Electron Energy-Level Alignment at Metal/TiO₂ Interfaces: A Density Functional Theory Study. Journal of Physical Chemistry C, 2016, 120, 5549-5556.	3.1	45
34	Sintering-Resistant Nanoparticles in Wide-Mouthed Compartments for Sustained Catalytic Performance. Scientific Reports, 2017, 7, 41773.	3.3	44
35	Valence Transitions in Negative Thermal Expansion Material SrCu₃Fe₄O₁₂. Inorganic Chemistry, 2014, 53, 10563-10569.	4.0	43
36	Promoted Câ€“C bond cleavage over intermetallic TaPt₃ catalyst toward low-temperature energy extraction from ethanol. Energy and Environmental Science, 2015, 8, 1685-1689.	30.8	43

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37	Unique defect structure and advantageous vortex pinning properties in superconducting CaKFe4As4. Npj Quantum Materials, 2019, 4, .	5.2	43
38	Large and significantly anisotropic critical current density induced by planar defects in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">CaKFe</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">As</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math> single crystals. Physical Review B, 2019, 99, .	3.2	42
39	Superconductivity of ternary silicides A(Gax,Si1â^'x)2 (A=Ca, Sr, and Ba). Physica C: Superconductivity and Its Applications, 2002, 377, 96-100.	1.2	40
40	Superconducting properties of single-crystallineCa(Al0.5,Si0.5)2:A ternary silicide with theAlB2-type structure. Physical Review B, 2003, 68, .	3.2	39
41	Pt₃Ti Nanoparticles: Fine Dispersion on SiO₂Supports, Enhanced Catalytic CO Oxidation, and Chemical Stability at Elevated Temperatures. Langmuir, 2010, 26, 11446-11451.	3.5	39
42	Mesoporous Bimetallic RhCu Alloy Nanospheres Using a Sophisticated Soft-Templating Strategy. Chemistry of Materials, 2018, 30, 428-435.	6.7	39
43	Correlation between the surface electronic structure and CO-oxidation activity of Pt alloys. Physical Chemistry Chemical Physics, 2015, 17, 4879-4887.	2.8	37
44	Enantioselective Total Synthesis of (â^')â€Candelalides A, B and C: Potential Kv1.3 Blocking Immunosuppressive Agents. Chemistry - A European Journal, 2009, 15, 2826-2845.	3.3	36
45	Doping effects of Ru inL0.5Sr0.5CoO3(L=La,Pr, Nd, Sm, and Eu). Physical Review B, 2003, 67, .	3.2	35
46	Stimulation of Electro-oxidation Catalysis by Bulk-Structural Transformation in Intermetallic ZrPt₃ Nanoparticles. ACS Applied Materials & Interfaces, 2014, 6, 16124-16130.	8.0	35
47	Observation of Energy Gap in FeGa₃. Journal of the Physical Society of Japan, 2008, 77, 024705.	1.6	34
48	Synthesis and electrocatalytic performance of atomically ordered nickel carbide (Ni₃C) nanoparticles. Chemical Communications, 2014, 50, 6451-6453.	4.1	34
49	Visible-light photodecomposition of acetaldehyde by TiO₂-coated gold nanocages: plasmon-mediated hot electron transport via defect states. Chemical Communications, 2014, 50, 15553-15556.	4.1	33
50	Facile route for the preparation of ordered intermetallic Pt3Pbâ€“PtPb coreâ€“shell nanoparticles and its enhanced activity for alkaline methanol and ethanol oxidation. Journal of Power Sources, 2015, 273, 990-998.	7.8	33
51	Atomic architectonics, nanoarchitectonics and microarchitectonics for strategies to make junk materials work as precious catalysts. CrystEngComm, 2016, 18, 6770-6778.	2.6	32
52	Electrical Properties of Single-Crystalline CaAl2Si2. Inorganic Chemistry, 2004, 43, 5186-5188.	4.0	31
53	NbPt₃ Intermetallic Nanoparticles: Highly Stable and COâ€Tolerant Electrocatalyst for Fuel Oxidation. ChemElectroChem, 2014, 1, 728-732.	3.4	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.	1.9	30

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55	Charge-Order Melting in Charge-Disproportionated Perovskite CeCu₃Fe₄O₁₂. Inorganic Chemistry, 2014, 53, 11794-11801.	4.0	29
56	A Cuâ€“Zn nanoparticle promoter for selective carbon dioxide reduction and its application in visible-light-active Z-scheme systems using water as an electron donor. Chemical Communications, 2018, 54, 3947-3950.	4.1	28
57	Novel visible-light sensitive vanadate photocatalysts for water oxidation: implications from density functional theory calculations. Journal of Materials Chemistry A, 2015, 3, 10720-10723.	10.3	27
58	Topologically immobilized catalysis centre for long-term stable carbon dioxide reforming of methane. Chemical Science, 2019, 10, 3701-3705.	7.4	27
59	Antiferromagnetic Order in Bi4Cu3V2O14 with Novel Spin Chain. Journal of the Physical Society of Japan, 2002, 71, 1161-1165.	1.6	25
60	Structure, magnetism and transport of the perovskite manganites Ln0.5Ca0.5MnO3 (Ln=Ho, Er, Tm, Yb) Tj ETQq0 0 0 rgBT /Overlock 10	2.9	25
61	Synthesis of Mesoporous Ptâ€“Ru Alloy Particles with Uniform Sizes by Sophisticated Hardâ€Templating Method. Chemistry - an Asian Journal, 2013, 8, 902-907.	3.3	25
62	Long-term, stable, and improved oxygen-reduction performance of titania-supported PtPb nanoparticles. Catalysis Science and Technology, 2014, 4, 1436-1445.	4.1	25
63	Polymeric micelle assembly for the direct synthesis of functionalized mesoporous silica with fully accessible Pt nanoparticles toward an improved CO oxidation reaction. Chemical Communications, 2014, 50, 9101-9104.	4.1	24
64	Mixed-valence NaSb₃O₇ support toward improved electrocatalytic performance in the oxygen-reduction reaction. Journal of Materials Chemistry A, 2017, 5, 1667-1671.	10.3	24
65	Hydrogen-bond-driven â€˜homogeneous intercalationâ€™ for rapid, reversible, and ultra-precise actuation of layered clay nanosheets. Chemical Communications, 2013, 49, 3631.	4.1	23
66	Characterization of Epitaxial Films of Layered Materials Using MoirÃ© Images of Scanning Tunneling Microscope. Japanese Journal of Applied Physics, 1993, 32, 2945-2949.	1.5	22
67	Magnetic properties of CeRh2Si2 and CePd2Si2 single crystals. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 479-480.	2.3	21
68	Magnetization Process of anS=1/2 Tetramer Chain with Ferromagneticâ€“Ferromagneticâ€“Antiferromagneticâ€“Antiferromagnetic Bond Alternating Interactions. Journal of the Physical Society of Japan, 2003, 72, 943-946.	1.6	21
69	Superconducting properties of MgB2 films electroplated to stainless steel substrates. Applied Physics Letters, 2004, 85, 6197-6199.	3.3	21
70	Enantioselective Total Synthesis of (+)â€Ottelione A, (â^')â€Ottelione B, (+)â€3â€epiâ€Ottelione A and Preliminary Evaluation of Their Antitumor Activity. Chemistry - A European Journal, 2007, 13, 9866-9881.	3.3	21
71	Light-promoted conversion of greenhouse gases over plasmonic metalâ€“carbide nanocomposite catalysts. Materials Chemistry Frontiers, 2018, 2, 580-584.	5.9	20
72	Structural refinement of T2Mo3O8 (T=Mg, Co, Zn and Mn) and anomalous valence of trinuclear molybdenum clusters in Mn2Mo3O8. Journal of Solid State Chemistry, 2010, 183, 379-384.	2.9	19

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73	Photo-assisted Dry Reforming of Methane over Strontium Titanate. Chemistry Letters, 2018, 47, 935-937.	1.3	19
74	Synergistic photothermal and photochemical partial oxidation of methane over noble metals incorporated in mesoporous silica. Chemical Communications, 2019, 55, 13765-13768.	4.1	19
75	Active faceted nanoporous ruthenium for electrocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2020, 8, 19788-19792.	10.3	19
76	Identification of the new intermetallic compounds Y3Ni4B4C3 and Y1Ni1B1C1; related homologous series (LnC)m(Bâ€“Ni2â€“B)n. Physica C: Superconductivity and Its Applications, 1997, 291, 332-340.	1.2	18
77	Structure, magnetism and transport of La2NiRuO6. Journal of Alloys and Compounds, 2003, 348, 236-240.	5.5	18
78	Electrochemical immobilization of Cs in single-crystalline SYNROC. Journal of Solid State Chemistry, 2006, 179, 1521-1524.	2.9	18
79	Earthâ€Abundant and Durable Nanoporous Catalyst for Exhaustâ€Gas Conversion. Advanced Functional Materials, 2016, 26, 1609-1616.	14.9	18
80	Nanophase-separated Ni₃Nb as an automobile exhaust catalyst. Chemical Science, 2017, 8, 3374-3378.	7.4	18
81	Superior CO Catalytic Oxidation on Novel Pt/Clay Nanocomposites. ACS Applied Materials & Interfaces, 2013, 5, 11613-11617.	8.0	17
82	Crystallographic and magnetic properties of Cu2U-type hexaferrite. Journal of Magnetism and Magnetic Materials, 2015, 375, 54-60.	2.3	17
83	Plasmon-mediated photothermal conversion by TiN nanocubes toward CO oxidation under solar light illumination. RSC Advances, 2016, 6, 110566-110570.	3.6	17
84	Metal Carbide as A Lightâ€Harvesting and Anticoking Catalysis Support for Dry Reforming of Methane. Global Challenges, 2020, 4, 1900067.	3.6	17
85	Synthesis and magnetic characterization of Sr-based Ni2X-type hexaferrite. AIP Advances, 2015, 5, .	1.3	16
86	Low-temperature synthesis of copper oxide (CuO) nanostructures with temperature-controlled morphological variations. Ceramics International, 2015, 41, 9426-9432.	4.8	16
87	Magnetism and transport of Ln0.5Sr0.5CoO3 (Ln=Pr, Nd, Sm, Eu and Gd). Journal of Magnetism and Magnetic Materials, 2002, 239, 85-87.	2.3	15
88	Non-stoichiometric FexWN2: Leaching of Fe from layer-structured FeWN2. Journal of Solid State Chemistry, 2010, 183, 327-331.	2.9	15
89	Influence of pH on dendritic structure of strongly fluorescent persulfate-treated poly(amidoamine) dendrimer. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 224, 102-109.	3.9	15
90	Tailoring the surface-oxygen defects of a tin dioxide support towards an enhanced electrocatalytic performance of platinum nanoparticles. Physical Chemistry Chemical Physics, 2016, 18, 5932-5937.	2.8	15

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91	Synthesis of Single Phase Sn₃O₄: 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 Palladiumâ€Loaded Strontium Tantalate. Solar Rrl, 2019, 3, 1900076.	5.8	15
93	Saloplastics as multiresponsive ion exchange reservoirs and catalyst supports. Journal of Materials Chemistry A, 2020, 8, 17713-17724.	10.3	15
94	Heteroepitaxial Growth of Layered GaSe Films on GaAs(001) Surfaces. Japanese Journal of Applied Physics, 1993, 32, L1444-L1447.	1.5	14
95	Nanostructured polymeric yolkâ€“shell capsules: a versatile tool for hierarchical nanocatalyst design. Journal of Materials Chemistry A, 2016, 4, 9850-9857.	10.3	14
96	In-Situ TEM Study of a Nanoporous Niâ€“Co Catalyst Used for the Dry Reforming of Methane. Metals, 2017, 7, 406.	2.3	14
97	CO2 oxidative coupling of methane using an earth-abundant CaO-based catalyst. Scientific Reports, 2019, 9, 15454.	3.3	14
98	Elastoresistance measurements on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CaKFe</mml:mi><mml:mn>4</mml:mn></m and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>KCa</mml:mi><mml:mn>2</mml:mn></mm mat. Physical Review B, 2020, 102, .	3.2	14
99	Pressure effect on the electrical resistance of SrSi2. Intermetallics, 2007, 15, 956-960.	3.9	13
100	Fabrication and surface characterization of single crystal PtBi and PtPb (100) and (001) surfaces. Physical Chemistry Chemical Physics, 2010, 12, 12978.	2.8	13
101	Electronic transitions in CePd2Si2studied by resonant x-ray emission spectroscopy at high pressures and low temperatures. Physical Review B, 2012, 86, .	3.2	12
102	Effects of cation concentration on photocatalytic performance over magnesium vanadates. APL Materials, 2015, 3, 104405.	5.1	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.	3.6	11
104	Design of p-type transparent conducting oxides Sn₂GeO₄ by an ab initio evolutionary structure search. Journal of Materials Chemistry C, 2018, 6, 11202-11208.	5.5	11
105	Visible-Light-Induced CO₂ Reduction by Mixed-Valence Tin Oxide. ACS Applied Energy Materials, 2021, 4, 13415-13419.	5.1	11
106	Single-crystal growth of silver-lead oxide Ag5Pb2O6 from fused nitrates. Journal of Crystal Growth, 2002, 241, 347-351.	1.5	10
107	Surface characterization of ordered intermetallic PtBi(001) surfaces by ultra-high vacuumâ€“electrochemistry (UHVâ€“EC). Surface Science, 2008, 602, 1830-1836.	1.9	10
108	Pt Decorated Free-Standing TiO₂ 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 Pd₃X (X = Ti and Zr) nanocrystals for electro-oxidation of alcohols and formic acid in alkaline and acidic media. Science and Technology of Advanced Materials, 2020, 21, 573-583.	6.1	10
110	Ferromagnetism in ErTi2Ga4. Journal of the Physical Society of Japan, 2001, 70, 3042-3045.	1.6	9
111	Electrical transport properties of bulk MgB2materials synthesized by electrolysis on fused mixtures of MgCl2, NaCl, KCl and MgB2O4. Superconductor Science and Technology, 2002, 15, L25-L27.	3.5	9
112	Post-synthesis dispersion of metal nanoparticles by poly(amidoamine) dendrimers: size-selective inclusion, water solubilization, and improved catalytic performance. Chemical Communications, 2012, 48, 7441.	4.1	9
113	Band-Gap Engineering of NaNbO₃for Photocatalytic H₂Evolution with Visible Light. International Journal of Photoenergy, 2014, 2014, 1-6.	2.5	9
114	Nanoporous Nickel Composite Catalyst for the Dry Reforming of Methane. ACS Omega, 2018, 3, 16651-16657.	3.5	9
115	Charge partitioning by intertwined metal-oxide nano-architectural networks for the photocatalytic dry reforming of methane. Chem Catalysis, 2022, 2, 321-329.	6.1	9
116	Successive Field Induced Magnetic Phase Transitions of Heavy Fermion Compound CeRh2Si2. Journal of the Physical Society of Japan, 1997, 66, 2525-2526.	1.6	8
117	Magnetic study of the mixed orthotitanate La1â^'xSmxTiO3 (0â‰¦xâ‰¦1). Journal of Alloys and Compounds, 1999, 290, 236-243.	5.5	8
118	Magnetic behavior of CeTi1â^'V O3. Journal of Alloys and Compounds, 2002, 343, 199-203.	5.5	8
119	Structure and magnetism of Eu 1â^'x Dy x TiO 3. Journal of Solid State Chemistry, 2003, 171, 345-348.	2.9	8
120	Electroplating of the superconductive boride MgB2 from molten salts. Journal of Physics and Chemistry of Solids, 2005, 66, 406-409.	4.0	8
121	Effective Use of Platinum Group Metals. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2011, 75, 10-20.	0.4	8
122	Visible light induced decomposition of organic compounds on WO3 loaded PtPb co-catalysts. Catalysis Communications, 2014, 56, 96-100.	3.3	8
123	Enhanced Activity for Oxygen Reduction Reactions by Carbon-supported High-index-facet Pt-Ti Nanoparticles. Electrochemistry, 2015, 83, 7-11.	1.4	8
124	Mesoporous Rh Emerging from Nanophaseâ€separated Rhâ€Y Alloy. Chemistry - an Asian Journal, 2019, 14, 2802-2805.	3.3	8
125	Scanning Tunneling Microscope Observation of the Metal-Adsorbed Layered Semiconductor Surfaces. Japanese Journal of Applied Physics, 1995, 34, 3342-4445.	1.5	7
126	Structure and Electrical Transport Property of a Silicopnictide ZrCuSiP. Journal of Solid State Chemistry, 2002, 165, 372-374.	2.9	7

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127	CO tolerance of Pt/FeOxcatalyst in both thermal catalytic H2oxidation and electrochemical CO oxidation: the effect of Pt deficit electron state. Physical Chemistry Chemical Physics, 2016, 18, 29607-29615.	2.8	7
128	N2O-emission-free exhaust remediation by Rh-NbOx nanocomposites developed from Rh3Nb alloy precursor. RSC Advances, 2017, 7, 9628-9631.	3.6	7
129	Gasâ€Phase Photoelectrocatalysis Mediated by Oxygen Ions for Uphill Conversion of Greenhouse Gases. ChemPhotoChem, 2021, 5, 275-281.	3.0	7
130	Active site separation of photocatalytic steam reforming of methane using a gas-phase photoelectrochemical system. Chemical Communications, 2021, 57, 8007-8010.	4.1	7
131	Magnetic properties and resistivity of ternary compounds CeNi2X2 (X=Sb, As, P). Journal of Alloys and Compounds, 2001, 323-324, 520-523.	5.5	6
132	Electrochemical Synthesis of Superconductive Boride MgB2 from Molten Salts. Japanese Journal of Applied Physics, 2002, 41, L685-L687.	1.5	6
133	Electrochemical synthesis of superconductive MgB2 from molten salts. Physica C: Superconductivity and Its Applications, 2003, 388-389, 113-114.	1.2	6
134	In Situ TEM Study of Rh Particle Sintering for Three-Way Catalysts in High Temperatures. Catalysts, 2021, 11, 19.	3.5	6
135	de Haas-van Alphen Effect Study of CeRh2Si2. Journal of the Physical Society of Japan, 1998, 67, 1852-1855.	1.6	5
136	Magnetic properties of induced ferromagnet PrPtAl. Journal of Applied Physics, 1999, 85, 4480-4481.	2.5	5
137	Synthesis of Metastable Au-Fe Alloy Using Ordered Nanoporous Silica as a Hard Template. Metals, 2018, 8, 17.	2.3	5
138	High-field magnetization and other physical properties of Ce2T3X5 compounds (T=Pd, Rh and Cu; X=Si) Tj ETQq0 0 0 rgBT /Overlock 10	2.3	4
139	Neutron diffraction and X-ray absorption study of CaMn0.6Ru0.4O3. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E609-E611.	2.3	4
140	Constructing Sn(<scp>ii</scp>)-doped SrNb₂O₆ for visible light response driven H₂ and O₂ evolution from water. Catalysis Science and Technology, 2019, 9, 3619-3622.	4.1	4
141	Topological trends in ionic transport through metal-oxide composites. Applied Physics Letters, 2021, 118, 054102.	3.3	4
142	Magnetic Properties of Ce1â^'xNdxTiO3 and Some Solid Solution Orthotitanates Ln1â^'xLnâ€²xTiO3 (Ln and) Tj ETQq0 0 0 rgBT /Overloc	2.9	3
143	High-Field Magnetization of Single Crystalline TbRh2Si2. Journal of the Physical Society of Japan, 2002, 71, 1565-1569.	1.6	3
144	Complex magnetic phase diagram of CeRh2Ge2. Physica B: Condensed Matter, 2002, 312-313, 253-255.	2.7	3

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145	Magnetic Properties of LnTi0.5V0.5O3 (Ln=Ce and Pr). Journal of Solid State Chemistry, 2001, 156, 452-457.	2.9	2
146	Single Crystalline MgB₂Superconductor. Journal of the Physical Society of Japan, 2002, 71, 320-322.	1.6	2
147	Electrochemical preparation of single-crystalline Cr2O3 from molten salts. Journal of Crystal Growth, 2004, 267, 42-46.	1.5	2
148	Lattice constants and electrical resistivity of C32-type LaAl2â^'xSix (0.27â©½xâ©½0.56). Physica B: Condensed Matter, 2006, 383, 76-77.	2.7	2
149	Dealloyed Nanoporous Pt-Based Alloys as High Performance Anode Catalysts for Direct Alcohol Fuel Cells. Journal of Nanoscience and Nanotechnology, 2017, 17, 2991-2998.	0.9	2
150	Intertwined Nickel and Magnesium Oxide Rival Precious Metals for Catalytic Reforming of Greenhouse Gases. Advanced Sustainable Systems, 2020, 4, 2000041.	5.3	2
151	Tracking the emergence of epitaxial metalâ€“oxide interfaces from precursor alloys. Nanoscale, 2021, 13, 18987-18995.	5.6	2
152	CHAPTER 7. Halloysite and Related Mesoporous Carriers for Advanced Catalysis and Drug Delivery. RSC Smart Materials, 2016, , 207-222.	0.1	2
153	Magnetic Properties of Ce2Sc3Ge4Single Crystal. Journal of the Physical Society of Japan, 2003, 72, 947-950.	1.6	1
154	Synthesis and Catalytic Performance of Intermetallic Nanoparicles. Materia Japan, 2010, 49, 314-316.	0.1	1
155	Interleaved Mesoporous Copper for the Anode Catalysis in Direct Ammonium Borane Fuel Cells. Journal of Nanoscience and Nanotechnology, 2014, 14, 4443-4448.	0.9	1
156	Hierarchical SnO2 Nanostructure with High Energy {113} Facet as Pt-Support for Improved Oxygen Reduction Reaction. Journal of Nanoscience and Nanotechnology, 2017, 17, 2929-2936.	0.9	1
157	NiYAl-Derived Nanoporous Catalysts for Dry Reforming of Methane. Materials, 2020, 13, 2044.	2.9	1
158	Correlation between the Charge-Transport Properties and the 3D-Phase Connectivities in Patterned Pt/CeO₂ Nanostructured Composites: Implications for Solid-Oxide Fuel Cells. ACS Applied Nano Materials, 2021, 4, 13602-13611.	5.0	1
159	High-field magnetization of CeRh2(Si1â^'xGex)2. Physica B: Condensed Matter, 1999, 259-261, 56-57.	2.7	0
160	Electrical Properties of Single-Crystalline CaAl2Si2.. ChemInform, 2004, 35, no.	0.0	0
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