

Tetsuya Kida

List of Publications by Year in descending order

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179
papers

5,422
citations

76031

42
h-index

120465

65
g-index

182
all docs

182
docs citations

182
times ranked

7669
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal, hydrothermal liquefaction, and electromagnetic processes for biomass conversion. , 2022, , 421-446.		0
2	Hydrothermal liquefaction of algal biomass to bio-oil. , 2022, , 159-180.		0
3	Green Synthesis, Characterization, and Catalytic Activity of Amine-multiwalled Carbon Nanotube for Biodiesel Production. Bulletin of Chemical Reaction Engineering and Catalysis, 2022, 17, 286-303.	0.5	1
4	One-Pot Synthesis of Thermoresponsive Poly(<i>N</i> -Isopropylacrylamide) Assisted by Pulsed Arc Discharge in Contact with the Water Interface for Wound Dressing Purposes. ACS Applied Polymer Materials, 2022, 4, 74-83.	2.0	2
5	Electrochemical Detection of Ethanol in Air Using Graphene Oxide Nanosheets Combined with Au-WO ₃ . Sensors, 2022, 22, 3194.	2.1	9
6	Heterogenized manganese catalyst for C-, and N-alkylation of ketones and amines with alcohols by pyrolysis of molecularly defined complexes. Molecular Catalysis, 2022, 526, 112390.	1.0	2
7	Supercritical CO ₂ –subcritical H ₂ O system: A green reactive separation medium for selective conversion of glucose to 5-hydroxymethylfurfural. Journal of Supercritical Fluids, 2021, 168, 105079.	1.6	8
8	Electrochemical hydrogen production from humid air using cation-modified graphene oxide membranes. Pure and Applied Chemistry, 2021, 93, 1-11.	0.9	3
9	TiO ₂ -Coated CsPbBr ₃ Quantum Dots Coupled with Polyoxometalates for On/Off Fluorescent Photoswitches. ACS Applied Nano Materials, 2021, 4, 4103-4113.	2.4	7
10	Carbon-based solid acid catalyst derived from Undaria pinnatifida and its application in esterification. Algal Research, 2021, 55, 102272.	2.4	4
11	Luminescence Photoswitching of Colloidal CsPbBr ₃ Nanocrystals by Photochromic Diarylethene Ligands. Chemistry Letters, 2021, 50, 1534-1538.	0.7	3
12	Five-lump kinetic approach on biofuel production from refined rubber seed oil over Cu/ZSM-5 catalyst via catalytic cracking reaction. Renewable Energy, 2021, 171, 1445-1453.	4.3	6
13	Bio-jet fuel range in biofuels derived from hydroconversion of palm olein over Ni/zeolite catalysts and freezing point of biofuels/Jet A-1 blends. Fuel, 2021, 293, 120472.	3.4	31
14	Solid acid catalyst prepared via one-step microwave-assisted hydrothermal carbonization: Enhanced stability towards intensified production of 5-hydroxymethylfurfural in water/l ³ -valerolactone/NaCl. Molecular Catalysis, 2021, 512, 111772.	1.0	1
15	Facile and Green Fabrication of Microwave-Assisted Reduced Graphene Oxide/Titanium Dioxide Nanocomposites as Photocatalysts for Rhodamine 6G Degradation. ACS Omega, 2021, 6, 32166-32177.	1.6	21
16	Correlation between ferromagnetism and dopant 3 <i>d</i> metal-oxygen hybridized state lying at the bottom of conduction band in ZnO-based diluted magnetic semiconductor system. Journal of Applied Physics, 2021, 130, 243904.	1.1	0
17	Nitrogen, Sulfur Co-Doped Reduced Graphene Oxide: Synthesis and Characterization. Micro and Nanosystems, 2020, 12, 129-134.	0.3	4
18	Green synthesis of sulfonated organosilane functionalized multiwalled carbon nanotubes and its catalytic activity for one-pot conversion of high free fatty acid seed oil to biodiesel. Journal of Cleaner Production, 2020, 275, 123146.	4.6	25

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19	Carbon-based potentiometric hydrogen sensor using a proton conducting graphene oxide membrane coupled with a WO ₃ sensing electrode. <i>Sensors and Actuators B: Chemical</i> , 2020, 323, 128678.	4.0	17
20	TiO ₂ /CsPbBr ₃ Quantum Dots Coupled with Polyoxometalate Redox Clusters for Photoswitches. <i>ACS Applied Nano Materials</i> , 2020, 3, 11184-11193.	2.4	11
21	Synergizing Sulfonated Hydrothermal Carbon and Microwave Irradiation for Intensified Esterification Reaction. <i>ACS Omega</i> , 2020, 5, 23542-23548.	1.6	12
22	Metal-Free Synthesis of HMF from Glucose Using the Supercritical CO ₂ -Subcritical H ₂ O-Isopropanol System. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 16527-16538.	1.8	9
23	Recovery and liquefaction of nitrogen-containing component and minerals from food processing wastes of vinegar using subcritical water. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	1
24	Application of a solid electrolyte CO ₂ sensor to the performance evaluation of CO ₂ capture materials. <i>Sensors and Actuators B: Chemical</i> , 2020, 315, 128105.	4.0	14
25	Corundum insulating phases in highly Ti-doped $\sqrt{VO_2}$ nanocrystals. <i>Physical Review B</i> , 2020, 102, 115407.	1.1	3
26	Biogasoline production from linoleic acid via catalytic cracking over nickel and copper-doped ZSM-5 catalysts. <i>Environmental Research</i> , 2020, 186, 109616.	3.7	24
27	Role of alkan-1-ol solvents in the synthesis of yellow luminescent carbon quantum dots (CQDs): van der Waals force-caused aggregation and agglomeration. <i>RSC Advances</i> , 2020, 10, 14396-14402.	1.7	7
28	Reversible Luminescence Photoswitching of Colloidal CsPbBr ₃ Nanocrystals Hybridized with a Diarylethene Photoswitch. , 2020, 2, 727-735.		17
29	Bifunctional graphene oxide-copper coated nickel mesh and its electrocatalysis towards ethanol production: A preliminary analysis. <i>Materials Letters</i> , 2020, 275, 128092.	1.3	4
30	Graphene Oxide Membranes with Cerium-Enhanced Proton Conductivity for Water Vapor Electrolysis. <i>ACS Applied Nano Materials</i> , 2020, 3, 4292-4304.	2.4	12
31	WO ₃ -Based Gas Sensors: Identifying Inherent Qualities and Understanding the Sensing Mechanism. <i>ACS Sensors</i> , 2020, 5, 1624-1633.	4.0	82
32	Sulfonated Hydrothermal Carbon-Based Catalyzed Esterification under Microwave Irradiation: Optimization and Kinetic Study. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2020, 15, 514-524.	0.5	2
33	Averrhoa bilimbi: A Prospective Source of Bioactive Compounds against Antimicrobial and Cytotoxic Activities. <i>Asian Journal of Chemistry</i> , 2020, 33, 179-184.	0.1	0
34	Utilization of rice husk to enhance calcium oxide-based sorbent prepared from waste cockle shells for cyclic CO ₂ capture in high-temperature condition. <i>Environmental Science and Pollution Research</i> , 2019, 26, 33882-33896.	2.7	3
35	H ₂ S Sensing Properties of a Diode-Type Device Using ZnO Nanorods Coupled with CuO Nanocrystals. <i>Proceedings (mdpi)</i> , 2019, 14, 26.	0.2	1
36	Catalytic Depolymerization of Alkaline Lignin into Phenolic-Based Compounds over Metal-Free Carbon-Based Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 13041-13052.	1.8	21

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37	Removal of impurities from low-density polyethylene using supercritical carbon dioxide extraction. <i>Journal of Supercritical Fluids</i> , 2019, 146, 23-29.	1.6	7
38	Enhanced Levulinic Acid Production from Cellulose by Combined Brønsted Hydrothermal Carbon and Lewis Acid Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 2697-2703.	1.8	30
39	Synergy of in-situ formation of carbonic acid and supercritical CO ₂ -expanded liquids: Application to extraction of andrographolide from <i>Andrographis paniculata</i> . <i>Journal of Supercritical Fluids</i> , 2019, 152, 104546.	1.6	7
40	Improving the proton conductivity of graphene oxide membranes by intercalating cations. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	12
41	Reversible ON/OFF switching of photoluminescence from CsPbX ₃ quantum dots coated with silica using photochromic diarylethene. <i>Chemical Communications</i> , 2019, 55, 8060-8063.	2.2	30
42	Effect of Ambient Oxygen Partial Pressure on the Hydrogen Response of SnO ₂ Semiconductor Gas Sensors. <i>Journal of the Electrochemical Society</i> , 2019, 166, B618-B622.	1.3	14
43	Heterogeneous Catalytic Conversion of Rapeseed Oil to Methyl Esters: Optimization and Kinetic Study. , 2019, , 221-238.		3
44	Carbocatalysed hydrolytic cleaving of the glycosidic bond in fucoidan under microwave irradiation. <i>RSC Advances</i> , 2019, 9, 30325-30334.	1.7	9
45	Production of gasoline range hydrocarbons from catalytic cracking of linoleic acid over various acidic zeolite catalysts. <i>Environmental Science and Pollution Research</i> , 2019, 26, 34039-34046.	2.7	11
46	Development of high microwave-absorptive bifunctional graphene oxide-based catalyst for biodiesel production. <i>Energy Conversion and Management</i> , 2019, 180, 1013-1025.	4.4	78
47	Synthesis of Cu ₂ O/CuO Nanocrystals and Their Application to H ₂ S Sensing. <i>Sensors</i> , 2019, 19, 211.	2.1	60
48	Liquefaction of palm kernel shell to bio-oil using sub- and supercritical water: An overall kinetic study. <i>Journal of the Energy Institute</i> , 2019, 92, 535-541.	2.7	16
49	Sustainable green pretreatment approach to biomass-to-energy conversion using natural hydro-low-transition-temperature mixtures. <i>Bioresource Technology</i> , 2018, 261, 361-369.	4.8	35
50	Thermogravimetric analysis and kinetic modeling of low-transition-temperature mixtures pretreated oil palm empty fruit bunch for possible maximum yield of pyrolysis oil. <i>Bioresource Technology</i> , 2018, 255, 189-197.	4.8	34
51	Graphene Oxide and Microwave Synergism for Efficient Esterification of Fatty Acids. <i>Energy & Fuels</i> , 2018, 32, 3599-3607.	2.5	31
52	The Effect of Layer Distance and Oxygen Content for Tuning Ion Permeation through Graphene Oxide Membrane. <i>Chemistry Letters</i> , 2018, 47, 292-295.	0.7	4
53	Preparation of hydrothermal carbon acid catalyst from defatted rice bran. <i>Industrial Crops and Products</i> , 2018, 117, 286-294.	2.5	27
54	Liquefaction of palm kernel shell in sub- and supercritical water for bio-oil production. <i>Journal of the Energy Institute</i> , 2018, 91, 721-732.	2.7	23

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55	Optimization of hydrothermal liquefaction of palm kernel shell and consideration of supercritical carbon dioxide mediation effect. <i>Journal of Supercritical Fluids</i> , 2018, 133, 640-646.	1.6	33
56	Preparation of hydrothermal carbon as catalyst support for conversion of biomass to 5-hydroxymethylfurfural. <i>Catalysis Communications</i> , 2018, 104, 41-47.	1.6	52
57	Synthesis of Highly Luminescent SnO ₂ Nanocrystals: Analysis of their Defect-Related Photoluminescence Using Polyoxometalates as Quenchers. <i>Advanced Functional Materials</i> , 2018, 28, 1704620.	7.8	26
58	Life cycle assessment of oil palm empty fruit bunch delignification using natural malic acid-based low-transition-temperature mixtures: a gate-to-gate case study. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 1917-1928.	2.1	6
59	Integrating reduced graphene oxide with microwave-subcritical water for cellulose depolymerization. <i>Catalysis Science and Technology</i> , 2018, 8, 5434-5444.	2.1	9
60	Water Vapor Electrolysis with Proton-Conducting Graphene Oxide Nanosheets. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 11753-11758.	3.2	21
61	Delignification kinetics of empty fruit bunch (EFB): a sustainable and green pretreatment approach using malic acid-based solvents. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 1987-2000.	2.1	9
62	Synthesis of novel graphene oxide/bentonite bi-functional heterogeneous catalyst for one-pot esterification and transesterification reactions. <i>Energy Conversion and Management</i> , 2018, 171, 1801-1812.	4.4	65
63	Effect of Humid Aging on the Oxygen Adsorption in SnO ₂ Gas Sensors. <i>Sensors</i> , 2018, 18, 254.	2.1	45
64	Metal oxide-catalyzed hydrothermal liquefaction of Malaysian oil palm biomass to bio-oil under supercritical condition. <i>Journal of Supercritical Fluids</i> , 2017, 120, 384-394.	1.6	69
65	Visible Light-Driven Photoenergy Storage and Photocatalysis Using Polyoxometallates Coupled with a Ru Complex. <i>Journal of Physical Chemistry C</i> , 2017, 121, 13515-13523.	1.5	11
66	Synergizing graphene oxide with microwave irradiation for efficient cellulose depolymerization into glucose. <i>Green Chemistry</i> , 2017, 19, 3831-3843.	4.6	51
67	Choline chloride (ChCl) and monosodium glutamate (MSG)-based green solvents from optimized cactus malic acid for biomass delignification. <i>Bioresource Technology</i> , 2017, 244, 941-948.	4.8	27
68	Selective depletion of cultured macrophages by magnetite nanoparticles modified with gelatin. <i>Experimental and Therapeutic Medicine</i> , 2017, 14, 1640-1646.	0.8	3
69	Solid Electrolyte Gas Sensor Based on a Proton-Conducting Graphene Oxide Membrane. <i>ACS Omega</i> , 2017, 2, 2994-3001.	1.6	29
70	Ultrasensitive Detection of Volatile Organic Compounds by a Pore Tuning Approach Using Anisotropically Shaped SnO ₂ Nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 35485-35495.	4.0	51
71	Vanadium oxide loading on tin dioxide nanoparticles for improving gas detection in a humid atmosphere. <i>Materials Letters</i> , 2016, 179, 214-216.	1.3	5
72	Pretreatment and Bentonite-based Catalyzed Conversion of Palm-rubber Seed Oil Blends to Biodiesel. <i>Procedia Engineering</i> , 2016, 148, 501-507.	1.2	5

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73	Efficient solution route to transparent ZnO semiconductor films using colloidal nanocrystals. <i>Journal of Asian Ceramic Societies</i> , 2016, 4, 319-323.	1.0	10
74	Thermally Stable SnO ₂ Nanocrystals: Synthesis and Application to Gas Sensors. <i>Crystal Growth and Design</i> , 2016, 16, 4203-4208.	1.4	13
75	Role of vanadium oxide and palladium multiple loading on the sensitivity and recovery kinetics of tin dioxide based gas sensors. <i>RSC Advances</i> , 2016, 6, 5169-5176.	1.7	12
76	New Route for the Production of Thermosensitive Polymer With Pulsed Arc Discharge at the Argon-Water Interface. <i>IEEE Transactions on Plasma Science</i> , 2016, 44, 211-215.	0.6	3
77	Influence of Processing Conditions on the Performance of Cu ₂ ZnSnS ₄ Nanocrystal Solar Cells. <i>ChemistrySelect</i> , 2016, 1, 86-93.	0.7	4
78	Microwave-assisted hydrothermal extraction of natural malic acid for the synthesis of low transition temperature mixtures. <i>Journal of Cleaner Production</i> , 2016, 113, 919-924.	4.6	13
79	Characterization of natural low transition temperature mixtures (LTTMs): Green solvents for biomass delignification. <i>Bioresource Technology</i> , 2016, 199, 258-264.	4.8	74
80	Impurity-Induced First-Order Phase Transitions in Highly Crystalline V ₂ O ₃ Nanocrystals. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500132.	1.9	3
81	Synthesis of Cu-Sb-Bi Sulfide Nanocrystals for Solution-Processed Solar Cells. <i>Hosokawa Powder Technology Foundation ANNUAL REPORT</i> , 2015, 23, 75-80.	0.0	0
82	Oxygen separation from air using Ba _{0.95} La _{0.05} FeO ₃ membranes fitted with porous La _{1-x} Sr _x FeO ₃ layers. <i>Ceramics International</i> , 2015, 41, 7830-7835.	2.3	8
83	Defect-Free Nanocrystals: Impurity-Induced First-Order Phase Transitions in Highly Crystalline V ₂ O ₃ Nanocrystals (<i>Adv. Mater. Interfaces</i> 12/2015). <i>Advanced Materials Interfaces</i> , 2015, 2, n/a-n/a.	1.9	0
84	Effect of Water Vapor on Pd-Loaded SnO ₂ Nanoparticles Gas Sensor. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 5863-5869.	4.0	201
85	Pulse-Driven Micro Gas Sensor Fitted with Clustered Pd/SnO ₂ Nanoparticles. <i>Analytical Chemistry</i> , 2015, 87, 8407-8415.	3.2	61
86	Synthesis of Copper-Antimony-Sulfide Nanocrystals for Solution-Processed Solar Cells. <i>Inorganic Chemistry</i> , 2015, 54, 7840-7845.	1.9	68
87	Visible-Light Sensitization and Photoenergy Storage in Quantum Dot/Polyoxometalate Systems. <i>Chemistry - A European Journal</i> , 2015, 21, 7462-7469.	1.7	14
88	Super proton/electron mixed conduction in graphene oxide hybrids by intercalating sulfate ions. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20892-20895.	5.2	30
89	Surface-modification of SnO ₂ nanoparticles by incorporation of Al for the detection of combustible gases in a humid atmosphere. <i>RSC Advances</i> , 2015, 5, 86347-86354.	1.7	28
90	H ₂ O/D ₂ O Exchange on SnO ₂ Materials in the Presence of CO: Operando Spectroscopic and Electric Resistance Measurements. <i>Journal of Physical Chemistry C</i> , 2014, 118, 2554-2563.	1.5	12

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91	Solution-Processed Cu ₂ ZnSnS ₄ Nanocrystal Solar Cells: Efficient Stripping of Surface Insulating Layers Using Alkylating Agents. <i>Journal of Physical Chemistry C</i> , 2014, 118, 804-810.	1.5	38
92	Nanoparticle Cluster Gas Sensor: Controlled Clustering of SnO ₂ Nanoparticles for Highly Sensitive Toluene Detection. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 5319-5326.	4.0	159
93	Tunable Graphene Oxide Proton/Electron Mixed Conductor that Functions at Room Temperature. <i>Chemistry of Materials</i> , 2014, 26, 5598-5604.	3.2	77
94	Determination of Oxygen Adsorption Species on SnO ₂ : Exact Analysis of Gas Sensing Properties Using a Sample Gas Pretreatment System. <i>Journal of the Electrochemical Society</i> , 2014, 161, B123-B128.	1.3	45
95	WO ₃ Nanolamella Gas Sensor: Porosity Control Using SnO ₂ Nanoparticles for Enhanced NO ₂ Sensing. <i>Langmuir</i> , 2014, 30, 2571-2579.	1.6	160
96	H ₂ Sensing Mechanism of Pd-Loaded WO ₃ Nanoparticle Gas Sensors. <i>Chemistry Letters</i> , 2014, 43, 1435-1437.	0.7	23
97	Pore and Particle Size Control of Gas Sensing Films Using SnO ₂ Nanoparticles Synthesized by Seed-Mediated Growth: Design of Highly Sensitive Gas Sensors. <i>Journal of Physical Chemistry C</i> , 2013, 117, 17574-17582.	1.5	116
98	What determines the critical size for phase separation in LiFePO ₄ in lithium ion batteries?. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14532.	5.2	18
99	High sensitive gas sensor based on Pd-loaded WO ₃ nanolamellae. <i>Thin Solid Films</i> , 2013, 548, 677-682.	0.8	31
100	Catalytic Combustion-Type Hydrogen Sensor Using BaTiO ₃ -based PTC Thermistor. <i>Journal of the American Ceramic Society</i> , 2013, 96, 1789-1794.	1.9	17
101	Discharge/charge characteristic of Li-air cells using carbon-supported LaMn _{0.6} Fe _{0.4} O ₃ as an electrocatalyst. <i>Journal of Power Sources</i> , 2013, 242, 216-221.	4.0	21
102	Efficient Photorecovery of Noble Metals from Solution Using a ¹³ -SiW ₁₀ O ₃₆ /Surfactant Hybrid Photocatalyst. <i>Langmuir</i> , 2013, 29, 2128-2135.	1.6	8
103	Photocatalytic Recovery of Noble Metals from Waste Solutions Using a Polyoxometallate (POM)-Based Hybrid Photocatalyst. <i>Advanced Materials Research</i> , 2013, 747, 518-521.	0.3	1
104	A Micro Gas Sensor Using TiO ₂ Nanotubes to Detect Volatile Organic Compounds. <i>Applied Physics Express</i> , 2013, 6, 047201.	1.1	12
105	Metal-insulator transition sustained by Cr-doping in V ₂ O ₃ nanocrystals. <i>Applied Physics Letters</i> , 2012, 100, 043103.	1.5	5
106	Effects of Crystallite Size and Donor Density on the Sensor Response of SnO ₂ Nano-Particles in the State of Volume Depletion. <i>Journal of the Electrochemical Society</i> , 2012, 159, J136-J141.	1.3	13
107	Preparation of nano-LaNiO ₃ support electrode for rechargeable metal-air batteries. <i>Electrochemistry Communications</i> , 2012, 24, 50-52.	2.3	22
108	Preparation of a Stable Sol Suspension of Pd-Loaded SnO ₂ Nanocrystals by a Photochemical Deposition Method for Highly Sensitive Semiconductor Gas Sensors. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 4231-4236.	4.0	52

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109	Preparation and measurement of standard organic gases using a diffusion method and a NASICON-based CO ₂ sensor combined with a combustion catalyst. <i>Analytical Methods</i> , 2011, 3, 1887.	1.3	4
110	Semiconductor gas sensor using nano-sized oxide for high-sensitive detection of environment-related gases. , 2011, , .		6
111	Bi-Functional Oxygen Electrodes Using LaMnO ₃ /LaNiO ₃ for Rechargeable Metal-Air Batteries. <i>Journal of the Electrochemical Society</i> , 2011, 158, A605.	1.3	56
112	Gas sensor using noble metal-loaded TiO ₂ nanotubes for detection of large-sized volatile organic compounds. <i>Journal of the Ceramic Society of Japan</i> , 2011, 119, 884-889.	0.5	15
113	Electrochemical detection of volatile organic compounds using a Na ₃ Zr ₂ Si ₂ PO ₁₂ /Bi ₂ Cu _{0.1} V _{0.9} O _{5.35} heterojunction device. <i>Electrochimica Acta</i> , 2011, 56, 7484-7490.	2.6	25
114	Microstructure control of TiO ₂ nanotubular films for improved VOC sensing. <i>Sensors and Actuators B: Chemical</i> , 2011, 154, 251-256.	4.0	94
115	Orientation of Ba ²⁺ /N hybrid films deposited on Ni (111) and polycrystalline Ti substrates explored by X-ray absorption spectroscopy. <i>Thin Solid Films</i> , 2011, 519, 1780-1786.	0.8	21
116	The Enhancement of Response Speed by Loading the Noble Metal into the Sensing Layer for FET-Type NO ₂ Sensors. <i>Journal of the Electrochemical Society</i> , 2011, 158, J36.	1.3	1
117	CO ₂ Sensor Combining an MISiC Capacitor and a Binary Carbonate. <i>Electrochemical and Solid-State Letters</i> , 2011, 14, J4.	2.2	4
118	Combustion-Type H ₂ Gas Sensor Using a PTC Thermistor Based on Bi, Na-Codoped BaTiO ₃ as a Transducer. <i>Sensor Letters</i> , 2011, 9, 21-25.	0.4	2
119	Enhanced Gas Sensing Characteristics of Au-Loaded TiO ₂ Nanotube Sensors. <i>Sensor Letters</i> , 2011, 9, 26-30.	0.4	8
120	Stability and Interfacial Structure of a NASICON-Based CO ₂ Sensor Fitted with a Solid-Reference Electrode. <i>Sensor Letters</i> , 2011, 9, 288-293.	0.4	7
121	High Oxygen Permeation in Ba _{0.95} La _{0.05} FeO _{3-δ} Membranes with Surface Modification. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 2849-2853.	4.0	32
122	Structural optimization of gas diffusion electrodes loaded with LaMnO ₃ electrocatalysts. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 675-681.	1.5	7
123	High-Performance Oxygen-Permeable Membranes with an Asymmetric Structure Using Ba _{0.95} La _{0.05} FeO _{3-δ} Perovskite-Type Oxide. <i>Advanced Materials</i> , 2010, 22, 2367-2370.	11.1	110
124	Oxygen-permeable membranes based on partially B-site substituted BaFe _{1-y} MyO _{3-δ} (M=Cu or Ni). <i>Journal of Solid State Chemistry</i> , 2010, 183, 2426-2431.	1.4	46
125	Growth and characterization of stoichiometric BCN films on highly oriented pyrolytic graphite by radiofrequency plasma enhanced chemical vapor deposition. <i>Thin Solid Films</i> , 2010, 518, 4163-4169.	0.8	36
126	Microstructure Effect on the Oxygen Permeation through Ba _{0.95} La _{0.05} FeO _{3-δ} Membranes Fabricated by Different Methods. <i>Journal of the American Ceramic Society</i> , 2010, 93, 2012-2017.	1.9	2

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127	Synthesis of monodispersed SnO ₂ nanocrystals and their remarkably high sensitivity to volatile organic compounds. <i>Chemistry of Materials</i> , 2010, 22, 2662-2667.	3.2	128
128	Application of a Solid Electrolyte CO ₂ Sensor for the Analysis of Standard Volatile Organic Compound Gases. <i>Analytical Chemistry</i> , 2010, 82, 3315-3319.	3.2	19
129	Control of Electrode Reactions in a Mixed-Potential-Type Gas Sensor Based on a BiCuVO _x Solid Electrolyte. <i>Journal of Physical Chemistry C</i> , 2010, 114, 15141-15148.	1.5	17
130	Glass-Coated Mixed Conducting Cobaltites as Solid-Reference Electrode Materials for NASICON-Based Potentiometric CO ₂ Sensors. <i>Journal of the Electrochemical Society</i> , 2009, 156, J351.	1.3	6
131	Oxygen Permeation Properties of Co-Free Perovskite-Type Oxide Membranes Based on BaFe _{1-x} Y _y Zr _y O _{3-δ} . <i>Journal of the Electrochemical Society</i> , 2009, 156, E81.	1.3	71
132	Detection of organic gases using TiO ₂ nanotube-based gas sensors. <i>Procedia Chemistry</i> , 2009, 1, 192-195.	0.7	37
133	Highly sensitive NO ₂ sensors using lamellar-structured WO ₃ particles prepared by an acidification method. <i>Sensors and Actuators B: Chemical</i> , 2009, 135, 568-574.	4.0	147
134	Gas sensing characteristics and porosity control of nanostructured films composed of TiO ₂ nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2009, 137, 513-520.	4.0	238
135	Nano-sized PdO loaded SnO ₂ nanoparticles by reverse micelle method for highly sensitive CO gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2009, 136, 99-104.	4.0	122
136	Planar-type BiCuVO _x solid electrolyte sensor for the detection of volatile organic compounds. <i>Sensors and Actuators B: Chemical</i> , 2009, 137, 147-153.	4.0	15
137	Synthesis of boron carbonitride (BCN) films by plasma-enhanced chemical vapor deposition using trimethylamine borane as a molecular precursor. <i>Vacuum</i> , 2009, 83, 1143-1146.	1.6	14
138	Characterization of BCN films synthesized by radiofrequency plasma enhanced chemical vapor deposition. <i>Journal of Physics and Chemistry of Solids</i> , 2009, 70, 20-25.	1.9	52
139	Microstructure control of WO ₃ film by adding nano-particles of SnO ₂ for NO ₂ detection in ppb level. <i>Procedia Chemistry</i> , 2009, 1, 212-215.	0.7	10
140	Photoinduced Recovery of Gold Using an Inorganic/Organic Hybrid Photocatalyst. <i>Journal of Physical Chemistry C</i> , 2009, 113, 19986-19993.	1.5	13
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