

Masaaki Yoshida

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Development of a MnOOH Mineral Electrocatalyst for Water Splitting by Controlling the Surface Defects of a Naturally Occurring Ore. <i>Chemistry Letters</i> , 2022, 51, 50-53.	1.3	6
2	Enhanced Electrochromic Properties of Hierarchical Iron Oxyhydroxide Hollow Sphere Array. <i>Chemistry Letters</i> , 2022, 51, 227-230.	1.3	1
3	Mixing nitrogen-containing compounds for synthesis of porous boron nitride for improved porosity, surface functionality, and solid base catalytic activity. <i>Applied Catalysis A: General</i> , 2022, 638, 118635.	4.3	1
4	Development of a MnCO ₃ -based Electrocatalyst for Water Oxidation from Rhodochrosite Ore. <i>Chemistry Letters</i> , 2022, 51, 723-727.	1.3	3
5	Lanthanum nanocluster/ZIF-8 for boosting catalytic CO ₂ /glycerol conversion using MgCO ₃ as a dehydrating agent. <i>Journal of Materials Chemistry A</i> , 2021, 9, 7048-7058.	10.3	16
6	Selective Catalyst for Oxygen Evolution in Neutral Brine Electrolysis: An Oxygen-Deficient Manganese Oxide Film. <i>ACS Catalysis</i> , 2021, 11, 6390-6397.	11.2	36
7	Influence of Phosphorus Doping on Triazole-Based g-C ₃ N ₅ Nanosheets for Enhanced Photoelectrochemical and Photocatalytic Performance. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 24907-24915.	8.0	70
8	Forward and backward electron transfer on Pt loaded TiO ₂ photocatalysts under visible-light illumination. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	4
9	Insights into the deposition of nanostructured nickel oxides by amino acid chelated Complexes: Benefits of mixed side chains in the formation of nanostructures for Energy-efficient Electrochromic windows. <i>Applied Surface Science</i> , 2021, 568, 150914.	6.1	3
10	Assessing nickel oxide electrocatalysts incorporating diamines and having improved oxygen evolution activity using <i>in operando</i> UV/visible and X-ray absorption spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 23280-23287.	2.8	6
11	Iron Oxyhydroxide Hierarchical Micro/Nanostructured Film as Catalyst for Electrochemical Oxygen Evolution Reaction. <i>Analytical Sciences</i> , 2020, 36, 27-31.	1.6	6
12	Improvement in Cobalt Phosphate Electrocatalyst Activity toward Oxygen Evolution from Water by Glycine Molecule Addition and Functional Details. <i>Analytical Sciences</i> , 2020, 36, 35-39.	1.6	9
13	Nanometer-Thick Nickel Oxide Films Prepared from Alanine-Chelated Coordination Complexes for Electrochromic Smart Windows. <i>ACS Applied Nano Materials</i> , 2020, 3, 9528-9537.	5.0	11
14	Enhancement of solid base activity for porous boron nitride catalysts by controlling active structure using post treatment. <i>Applied Catalysis A: General</i> , 2020, 608, 117843.	4.3	10
15	<i>in Operando</i> Observations of a Manganese Oxide Electrocatalyst for Water Oxidation Using Hard/Tender/Soft X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020, 124, 23611-23618.	3.1	22
16	Porous Boron Nitride as a Weak Solid Base Catalyst. <i>ChemCatChem</i> , 2020, 12, 6033-6039.	3.7	3
17	Sulfur-doped g-C ₃ N ₄ nanosheets for photocatalysis: Z-scheme water splitting and decreased biofouling. <i>Journal of Colloid and Interface Science</i> , 2020, 567, 202-212.	9.4	90
18	Development of BiOI as an effective photocatalyst for oxygen evolution reaction under simulated solar irradiation. <i>Catalysis Science and Technology</i> , 2020, 10, 3223-3231.	4.1	22

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19	Effects of electrolyte pH on the formation of nickel oxide films and the corresponding electrochromic properties. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 110, 34-40.	5.3	6
20	Decoration of SrTiO ₃ nanofibers by BiOI for photocatalytic methyl orange degradation under visible light irradiation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 96, 264-272.	5.3	31
21	Operando Observation of NO Reduction by CO on Ir(111) Surface Using NAP-XPS and Mass Spectrometry: Dominant Reaction Pathway to N ₂ Formation under Near Realistic Conditions. <i>Journal of Physical Chemistry C</i> , 2017, 121, 1763-1769.	3.1	19
22	Integration of Active Nickel Oxide Clusters by Amino Acids for Water Oxidation. <i>Journal of Physical Chemistry C</i> , 2017, 121, 255-260.	3.1	15
23	In situ S-K XANES study of polymer electrolyte fuel cells: changes in the chemical states of sulfonic groups depending on humidity. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 25183-25190.	2.8	17
24	Structural Relationship between CoO ₆ Cluster and Phosphate Species in a Cobalt-Phosphate Water Oxidation Catalyst Investigated by Co and P K-edge XAFS. <i>Chemistry Letters</i> , 2016, 45, 277-279.	1.3	21
25	CO Adsorption on Pd-Au Alloy Surface: Reversible Adsorption Site Switching Induced by High-Pressure CO. <i>Journal of Physical Chemistry C</i> , 2016, 120, 416-421.	3.1	15
26	In situ analysis of catalytically active Pd surfaces for CO oxidation with near ambient pressure XPS. <i>Catalysis Today</i> , 2016, 260, 14-20.	4.4	44
27	Direct Observation of Active Nickel Oxide Cluster in Nickel-Borate Electrocatalyst for Water Oxidation by In Situ O K-Edge X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2015, 119, 19279-19286.	3.1	80
28	In Situ Observation of Model Catalysts under Reaction Conditions Using X-ray Core-Level Spectroscopy. <i>Chemical Record</i> , 2014, 14, 806-818.	5.8	9
29	Photoexcited Hole Transfer to a MnOx Cocatalyst on a SrTiO ₃ Photoelectrode during Oxygen Evolution Studied by In Situ X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2014, 118, 24302-24309.	3.1	42
30	Electrochromic Characteristics of a Nickel Borate Thin Film Investigated by In Situ XAFS and UV/vis Spectroscopy. <i>Electrochemistry</i> , 2014, 82, 355-358.	1.4	13
31	Structure and Photo-Induced Charge Transfer of Pyridine Molecules Adsorbed on TiO ₂ (110): A NEXAFS and Core-Hole-Clock Study. <i>Electrochemistry</i> , 2014, 82, 341-345.	1.4	2
32	In Situ XAFS Study of the Photoinduced Potential Shift of a MnO _x Cocatalyst on a SrTiO ₃ Photocatalyst. <i>Chemistry Letters</i> , 2014, 43, 1725-1727.	1.3	8
33	In Situ Photoemission Observation of Catalytic CO Oxidation Reaction on Pd(110) under Near-Ambient Pressure Conditions: Evidence for the Langmuir-Hinshelwood Mechanism. <i>Journal of Physical Chemistry C</i> , 2013, 117, 20617-20624.	3.1	26
34	In situ observation of carrier transfer in the Mn-oxide/Nb:SrTiO ₃ photoelectrode by X-ray absorption spectroscopy. <i>Chemical Communications</i> , 2013, 49, 7848.	4.1	32
35	Molecular orientation change during adsorption of NO and N ₂ O on Ir(111) observed by real-time wavelength-dispersive x-ray absorption spectroscopy with polarization switching. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	3
36	In Situ Ambient Pressure XPS Study of CO Oxidation Reaction on Pd(111) Surfaces. <i>Journal of Physical Chemistry C</i> , 2012, 116, 18691-18697.	3.1	135

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37	Active Surface Oxygen for Catalytic CO Oxidation on Pd(100) Proceeding under Near Ambient Pressure Conditions. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3182-3187.	4.6	67
38	Real-time observation of CO oxidation reaction on Ir(111) surface at 33 ms resolution by means of wavelength-dispersive near-edge x-ray absorption fine structure spectroscopy. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	16
39	ATR-SEIRAS Investigation of the Fermi Level of Pt Cocatalyst on a GaN Photocatalyst for Hydrogen Evolution under Irradiation. <i>Journal of the American Chemical Society</i> , 2009, 131, 13218-13219.	13.7	145