

Hiroaki Mametsuka

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6194304/publications.pdf>

Version: 2024-02-01

45
papers

1,016
citations

840776

11
h-index

414414

32
g-index

48
all docs

48
docs citations

48
times ranked

1300
citing authors

#	ARTICLE	IF	CITATIONS
1	Architecture of Supramolecular Metal Complexes for Photocatalytic CO ₂ Reduction: Ruthenium, Rhodium Bi- and Tetranuclear Complexes. <i>Inorganic Chemistry</i> , 2005, 44, 2326-2336.	4.0	337
2	Photocatalytic production of hydrogen from water using TiO ₂ and B/TiO ₂ . <i>Catalysis Today</i> , 2000, 58, 125-132.	4.4	165
3	Photocatalytic oxygen evolution on γ -Fe ₂ O ₃ films using Fe ³⁺ ion as a sacrificial oxidizing agent. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 3519-3522.	2.8	142
4	Characterization of titanium-boron binary oxides and their photocatalytic activity for stoichiometric decomposition of water. <i>Catalysis Today</i> , 1998, 45, 79-84.	4.4	44
5	Influence of sputtering parameters on electrochemical CO ₂ reduction in sputtered Au electrode. <i>Journal of Electroanalytical Chemistry</i> , 2001, 514, 51-55.	3.8	36
6	Photocatalytic hydrogen evolution on InP suspension with inorganic sacrificial reducing agent. <i>International Journal of Hydrogen Energy</i> , 2000, 25, 953-955.	7.1	30
7	Stoichiometric Decomposition of Pure Water over Pt-Loaded Ti/B Binary Oxide under UV-Irradiation. <i>Chemistry Letters</i> , 1998, 27, 117-118.	1.3	28
8	Photocatalytic decomposition of liquid-water on the Pt-loaded TiO ₂ catalysts: Effects of the oxidation states of Pt species on the photocatalytic reactivity and the rate of the back reaction. <i>Research on Chemical Intermediates</i> , 2000, 26, 567-574.	2.7	25
9	Thio-Claisen Rearrangement of Troponoids. <i>Heterocycles</i> , 1983, 20, 1709.	0.7	14
10	Photovoltaic water electrolysis using the sputter-deposited a-Si/c-Si solar cells. <i>International Journal of Hydrogen Energy</i> , 2001, 26, 661-664.	7.1	13
11	Thermal Rearrangement of 2-(2-Furylmethoxy)tropones. <i>Heterocycles</i> , 1984, 22, 663.	0.7	12
12	Synthetic Photochemistry. VII. The Addition Reaction of Acenaphthenequinone and 1,2-Naphthoquinone to Cycloheptatriene. <i>Bulletin of the Chemical Society of Japan</i> , 1977, 50, 315-316.	3.2	10
13	The MCPBA-oxidation of 8H-Cyclohepta[b]thiophen-8-ones to Their 1,1-Dioxides and Further Ring-contracted Benzo[b]thiophene Derivatives. <i>Bulletin of the Chemical Society of Japan</i> , 1984, 57, 3156-3159.	3.2	10
14	The Preparation of Pyrrolotropones from Furotropones. <i>Bulletin of the Chemical Society of Japan</i> , 1980, 53, 3373-3374.	3.2	9
15	The Solid-Phase ¹³ C NMR Spectra of Several Troponone Derivatives. <i>Bulletin of the Chemical Society of Japan</i> , 1987, 60, 4339-4341.	3.2	9
16	Influence of sputtering parameters on hydrogen evolution overvoltage in sputter-deposited Co-Mo alloy electrode. <i>Materials Letters</i> , 2001, 47, 103-106.	2.6	9
17	Excited-State Dipole Moments of Azulene and 3,5-Dimethylcyclopent[ef]heptalene. <i>Bulletin of the Chemical Society of Japan</i> , 1976, 49, 1762-1765.	3.2	8
18	Electronic spectra of 1,3-diaza-azulene. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1982, 78, 193.	1.1	8

#	ARTICLE	IF	CITATIONS
19	Background Reduction in IR Spectroscopy Using a Highly Scattering Filter. <i>Analytical Letters</i> , 1988, 21, 681-688.	1.8	8
20	New Dilution Materials for Sensitivity Enhancement in the FT-IR Spectroscopy of Pitches as Typical Highly Scattering Samples. <i>Applied Spectroscopy</i> , 1989, 43, 477-480.	2.2	8
21	The Stereoselective Diels-Alder Reaction of Bicyclo[3.2.0]nona 3,6-dien-2-one with Several Dienes. <i>Bulletin of the Chemical Society of Japan</i> , 1982, 55, 2291-2292.	3.2	7
22	An Extremely Mild Thermolysis of Several 2-(2-Halogeno-2-propenylsulfinyl)tropones. <i>Heterocycles</i> , 1984, 22, 467.	0.7	7
23	Thermally-induced radical rearrangement of 2-(2-thienylmethoxy) and 2-(2-benzothienylmethoxy)tropones. <i>Journal of Heterocyclic Chemistry</i> , 1986, 23, 1211-1214.	2.6	7
24	Novel characterization techniques for pitches and coal slurries using Fourier transform infrared spectrometry. <i>Fuel</i> , 1991, 70, 931-933.	6.4	7
25	Electronic Structures of Excited States of Benzoquinolines. <i>Bulletin of the Chemical Society of Japan</i> , 1975, 48, 1118-1122.	3.2	6
26	The Thermal Addition Reactions of Cycloheptatriene with Aromaticp-Quinones. <i>Bulletin of the Chemical Society of Japan</i> , 1985, 58, 2072-2077.	3.2	6
27	A Dimethyl Sulfoxide-mediated Oxidation of Arylalkyl and Alkyl Alcohols to Corresponding Aldehydes and Ketones via Tropolonyl Ethers. <i>Bulletin of the Chemical Society of Japan</i> , 1982, 55, 1137-1139.	3.2	5
28	Low-temperature Characterization of a Dioxetane Produced in the Sensitized Photooxygenation of a Vinylcyclopropane, 3,10-Dispirocyclopropyltricyclo [5.2.1.0 _{2,6}] deca-4,8-diene. <i>Heterocycles</i> , 1978, 11, 323.	0.7	5
29	Stereospecific trans-elimination of 2-alkoxy- and 2-cycloalkoxytropones to alkenes and cycloalkenes. <i>Canadian Journal of Chemistry</i> , 1984, 62, 2035-2040.	1.1	4
30	A Radical-induced Extrusion Reaction of 2-(Benzylsulfonyl)tropones to 2- and 4-Benzyltropones. <i>Bulletin of the Chemical Society of Japan</i> , 1984, 57, 2321-2322.	3.2	4
31	New accessory for strongly scattering samples in Fourier-transform infrared spectroscopy. <i>Review of Scientific Instruments</i> , 1989, 60, 1015-1017.	1.3	4
32	THERMAL ADDITION REACTION OF CYCLOHEPTATRIENE TO SOME AROMATIC QUINONES: THE FORMATION OF vic-DITROPYLATION PRODUCTS. <i>Chemistry Letters</i> , 1976, 5, 445-448.	1.3	3
33	Electronic spectra of heptafulvalene tetracyanoquinodimethane (TCNQ) in acetonitrile. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1977, 33, 733-734.	0.1	3
34	In situ analysis of Ru carbonyl catalysts for carbonylation reactions by Fourier transform infrared spectrometry. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1996, 52, 167-171.	3.9	3
35	Magnetic Circular Dichroism and Absorption Spectra of 2-Methyl-1, 3-diazaazulene. <i>Helvetica Chimica Acta</i> , 1981, 64, 2356-2360.	1.6	2
36	PYROLYSIS OF 2-ALLYLOXYTROPONES: A NEW ELIMINATION REACTION TO TERMINAL DIENES. <i>Chemistry Letters</i> , 1982, 11, 1061-1064.	1.3	2

#	ARTICLE	IF	CITATIONS
37	The Substituent Effect and Assignment of the ¹³ C-NMR Spectra of Some 2-Substituted 1,3-Diazazulenes. Heterocycles, 1979, 12, 653.	0.7	2
38	THERMAL ADDITION REACTION OF CYCLOHEPTATRIENE WITH 1,4-NAPHTHOQUINONE: AN EXPERIMENTAL EVIDENCE ON THE MECHANISM OF vic-DITROPYLATION TO QUINONES. Chemistry Letters, 1976, 5, 881-882.	1.3	1
39	A THERMALLY-INDUCED RADICAL REARRANGEMENT OF 2-ARYLMETHOXYTROPONES TO 3- AND 5-ARYLMETHYLTROPONES. Chemistry Letters, 1981, 10, 73-76.	1.3	1
40	A new stereospecific trans-elimination of 2-alkoxy- and 2-cycloalkoxy-tropones to alkenes and cycloalkenes: the first verification of the [s8i€+a2if+s2if] process. Journal of the Chemical Society Chemical Communications, 1983, , 483-484.	2.0	1
41	A New Method of Producing Scattering Dilution Materials for Highly Scattering Samples by FT-IR Spectroscopy. Applied Spectroscopy, 1990, 44, 744-746.	2.2	1
42	New dilution materials for sensitivity enhancement in IR spectroscopy of highly scattering samples.. Journal of the Spectroscopical Society of Japan, 1989, 38, 36-38.	0.0	1
43	New Characterization Technique for Pitches by FT-IR Spectroscopy. Tanso, 1989, 1989, 88-92.	0.1	1
44	Structural Analysis of Organic Materials. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 1991, 77, 2179-2188.	0.4	1
45	Gas Chromatograph Fourier Transform Infrared Spectrometry for Analysis of Aromatic Isomers. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 1991, 77, 2203-2210.	0.4	0