Hiroaki Mametsuka

List of Publications by Year
in descending order

45	1,016	840776 11	414414 32
papers	citations	h-index	g-index

48	48	48	1300
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Architecture of Supramolecular Metal Complexes for Photocatalytic CO2 Reduction:â€‰Ruthenium–Rhenium Bi- and Tetranuclear Complexes. Inorganic Chemistry, 2005, 44, 2326-2336.	4.0	337
2	Influence of sputtering parameters on hydrogen evolution overvoltage in sputter-deposited Coâ€“Mo alloy electrode. Materials Letters, 2001, 47, 103-106.	2.6	9
3	Photovoltaic water electrolysis using the sputter-deposited a-Si/c-Si solar cells. International Journal of Hydrogen Energy, 2001, 26, 661-664.	7.1	13
4	Influence of sputtering parameters on electrochemical CO2 reduction in sputtered Au electrode. Journal of Electroanalytical Chemistry, 2001, 514, 51-55.	3.8	36
5	Photocatalytic production of hydrogen from water using TiO2 and B/TiO2. Catalysis Today, 2000, 58, 125-132.	4.4	165
6	Photocatalytic hydrogen evolution on InP suspension with inorganic sacrificial reducing agent. International Journal of Hydrogen Energy, 2000, 25, 953-955.	7.1	30
7	Photocatalytic oxygen evolution on Î±-Fe2O3 films using Fe3+ ion as a sacrificial oxidizing agent. Physical Chemistry Chemical Physics, 2000, 2, 3519-3522.	2.8	142
8	Photocatalytic decomposition of liquid-water on the Pt-loaded TiO2 catalysts: Effects of the oxidation states of Pt species on the photocatalytic reactivity and the rate of the back reaction. Research on Chemical Intermediates, 2000, 26, 567-574.	2.7	25
9	Characterization of titanium-boron binary oxides and their photocatalytic activity for stoichiometric decomposition of water. Catalysis Today, 1998, 45, 79-84.	4.4	44
10	Stoichiometric Decomposition of Pure Water over Pt-Loaded Ti/B Binary Oxide under UV-Irradiation. Chemistry Letters, 1998, 27, 117-118.	1.3	28
11	In situ analysis of Ru carbonyl catalysts for carbonylation reactions by Fourier transform infrared spectrometry. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1996, 52, 167-171.	3.9	3
12	Novel characterization techniques for pitches and coal slurries using Fourier transform infrared spectrometry. Fuel, 1991, 70, 931-933.	6.4	7
13	Structural Analysis of Organic Materials. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 1991, 77, 2179-2188.	0.4	1
14	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
15	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
16	New accessory for strongly scattering samples in Fourierâ€transform infrared spectroscopy. Review of Scientific Instruments, 1989, 60, 1015-1017.	1.3	4
17	New Dilution Materials for Sensitivity Enhancement in the FT-IR Spectroscopy of Pitches as Typical Highly Scattering Samples. Applied Spectroscopy, 1989, 43, 477-480.	2.2	8
18	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

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19	New Characterization Technique for Pitches by FT-IR Spectroscopy. Tanso, 1989, 1989, 88-92.	0.1	1
20	Background Reduction in IR Spectroscopy Using a Highly Scattering Filter. Analytical Letters, 1988, 21, 681-688.	1.8	8
21	The Solid-Phase13C NMR Spectra of Several Tropolone Derivatives. Bulletin of the Chemical Society of Japan, 1987, 60, 4339-4341.	3.2	9
22	Thermallyâ€induced radical rearrangement of 2â€(2â€thienylmethoxy)â€and 2â€(2â€benzo[b]thienylmethoxy)tropones. Journal of Heterocyclic Chemistry, 1986, 23, 1211-1214.	2.6	7
23	The Thermal Addition Reactions of Cycloheptatriene with Aromaticp-Quinones. Bulletin of the Chemical Society of Japan, 1985, 58, 2072-2077.	3.2	6
24	Stereospecific trans-elimination of 2-alkoxy- and 2-cycloalkoxytropones to alkenes and cycloalkenes. Canadian Journal of Chemistry, 1984, 62, 2035-2040.	1.1	4
25	The MCPBA-oxidation of 8H-Cyclohepta[b]thiophen-8-ones to Their 1,1-Dioxides and Further Ring-contracted Benzo[b]thiophene Derivatives. Bulletin of the Chemical Society of Japan, 1984, 57, 3156-3159.	3.2	10
26	A Radical-induced Extrusion Reaction of 2-(Benzylsulfonyl)tropones to 2- and 4-Benzyltropones. Bulletin of the Chemical Society of Japan, 1984, 57, 2321-2322.	3.2	4
27	An Extremely Mild Thermolysis of Several 2-(2-Halogeno-2-propenylsulfinyl)tropones. Heterocycles, 1984, 22, 467.	0.7	7
28	Thermal Rearrangement of 2-(2-Furylmethoxy)tropones. Heterocycles, 1984, 22, 663.	0.7	12
29	A new stereospecific trans-elimination of 2-alkoxy- and 2-cycloalkoxy-tropones to alkenes and cycloalkenes: the first verification of the [s8Ï€+a2Ïƒ+s2Ïƒ] process. Journal of the Chemical Society Chemical Communications, 1983, , 483-484.	2.0	1
30	Thio-Claisen Rearrangement of Troponoids. Heterocycles, 1983, 20, 1709.	0.7	14
31	A Dimethyl Sulfoxide-mediated Oxidation of Arylalkyl and Alkyl Alcohols to Corresponding Aldehydes and KetonesviaTropolonyl Ethers. Bulletin of the Chemical Society of Japan, 1982, 55, 1137-1139.	3.2	5
32	The Stereoselective Diels-Alder Reaction of Bicyclo[3.2.0]nona 3,6-dien-2-one with Several Dienes. Bulletin of the Chemical Society of Japan, 1982, 55, 2291-2292.	3.2	7
33	PYROLYSIS OF 2-ALLYLOXYTROPONES: A NEW ELIMINATION REACTION TO TERMINAL DIENES. Chemistry Letters, 1982, 11, 1061-1064.	1.3	2
34	Electronic spectra of 1,3-diaza-azulene. Journal of the Chemical Society, Faraday Transactions 2, 1982, 78, 193.	1.1	8
35	A THERMALLY-INDUCED RADICAL REARRANGEMENT OF 2-ARYLMETHOXYTROPONES TO 3- AND 5-ARYLMETHYLTROPOLONES. Chemistry Letters, 1981, 10, 73-76.	1.3	1
36	Magnetic Circular Dichroism and Absorption Spectra of 2-Methyl-1, 3-diazaazulene. Helvetica Chimica Acta, 1981, 64, 2356-2360.	1.6	2

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37	The Preparation of Pyrrolotropones from Furotropones. Bulletin of the Chemical Society of Japan, 1980, 53, 3373-3374.	3.2	9
38	The Substitutent Effect and Assignment of the 13C-NMR Spectra of Some 2-Substituted 1,3-Diazazulenes. Heterocycles, 1979, 12, 653.	0.7	2
39	Low-temperature Characterization of a Dioxetane Produced in the Sensitized Photooxygenation of a Vinylcyclopropane, 3,10-Dispirocyclopropyltricyclo [5.2.1.02,6] deca-4,8-diene. Heterocycles, 1978, 11, 323.	0.7	5
40	Synthetic Photochemistry. VII. The Addition Reaction of Acenaphthenequinone and 1,2-Naphthoquinone to Cycloheptatriene. Bulletin of the Chemical Society of Japan, 1977, 50, 315-316.	3.2	10
41	Electronic spectra of heptafulvalene tetracyanoquinodimethane (TCNQ) in acetonitrile. Spectrochimica Acta Part A: Molecular Spectroscopy, 1977, 33, 733-734.	0.1	3
42	THERMAL ADDITION REACTION OF CYCLOHEPTATRIENE TO SOME AROMATIC QUINONES: THE FORMATION OFvic-DITROPYLATION PRODUCTS. Chemistry Letters, 1976, 5, 445-448.	1.3	3
43	Excited-State Dipole Moments of Azulene and 3,5-Dimethylcyclopent[ef]heptalene. Bulletin of the Chemical Society of Japan, 1976, 49, 1762-1765.	3.2	8
44	THERMAL ADDITION REACTION OF CYCLOHEPTATRIENE WITH 1,4-NAPHTHOQUINONE: AN EXPERIMENTAL EVIDENCE ON THE MECHANISM OFvic-DITROPYLATION TO QUINONES. Chemistry Letters, 1976, 5, 881-882.	1.3	1
45	Electronic Structures of Excited States of Benzoquinolines. Bulletin of the Chemical Society of Japan, 1975, 48, 1118-1122.	3.2	6