

Masao Morita

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/258404/publications.pdf>

Version: 2024-02-01

37
papers

1,373
citations

471509

17
h-index

330143

37
g-index

37
all docs

37
docs citations

37
times ranked

1085
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Electrochemical behavior of reversible redox species at interdigitated array electrodes with different geometries: consideration of redox cycling and collection efficiency. <i>Analytical Chemistry</i> , 1990, 62, 447-452. | 6.5 | 263 |
| 2 | Quantitative analysis of reversible diffusion-controlled currents of redox soluble species at interdigitated array electrodes under steady-state conditions. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988, 256, 269-282. | 0.1 | 232 |
| 3 | Nonlinear and adiabatic control of high-Q photonic crystal nanocavities. <i>Optics Express</i> , 2007, 15, 17458. | 3.4 | 129 |
| 4 | Concentration of Extracellularl-Glutamate Released from Cultured Nerve Cells Measured with a Small-Volume Online Sensor. <i>Analytical Chemistry</i> , 1996, 68, 1865-1870. | 6.5 | 88 |
| 5 | Highly sensitive and selective voltammetric detection of dopamine with vertically separated interdigitated array electrodes. <i>Electroanalysis</i> , 1991, 3, 163-168. | 2.9 | 69 |
| 6 | Synthesis and Electrolytic Polymerization of the Ethylenedioxy-Substituted Terthiophene π -Fullerene Dyad. <i>Organic Letters</i> , 2004, 6, 4865-4868. | 4.6 | 61 |
| 7 | Fabrication and electrochemical features of new carbon based interdigitated array microelectrodes. <i>Journal of Electroanalytical Chemistry</i> , 1992, 334, 25-33. | 3.8 | 49 |
| 8 | Highly sensitive high-performance liquid chromatography detection of catecholamine with interdigitated array microelectrodes. <i>Journal of Electroanalytical Chemistry</i> , 1992, 335, 253-263. | 3.8 | 48 |
| 9 | Determination of acetylcholine and choline with platinum-black ultramicroarray electrodes using liquid chromatography with a post-column enzyme reactor. <i>Analytica Chimica Acta</i> , 1996, 318, 167-173. | 5.4 | 46 |
| 10 | Time differential surface plasmon resonance measurements applied for electrochemical analysis. <i>Electroanalysis</i> , 1997, 9, 1239-1241. | 2.9 | 45 |
| 11 | Microscopic Observation of TiO ₂ Photocatalysis Using Scanning Electrochemical Microscopy. <i>Journal of Physical Chemistry B</i> , 1999, 103, 3213-3217. | 2.6 | 42 |
| 12 | Electrochemical reaction of Fe(CN) ₃ ⁴⁻ /4 ³⁻ on gold electrodes analyzed by surface plasmon resonance. <i>Surface Science</i> , 1999, 427-428, 195-198. | 1.9 | 35 |
| 13 | Stripping voltammetry of reversible redox species by self-induced redox cycling. <i>Analytical Chemistry</i> , 1992, 64, 3206-3208. | 6.5 | 31 |
| 14 | Nickel content dependence of electrochemical behavior of carbohydrates on a titanium-nickel alloy electrode and its application to a liquid chromatography detector. <i>Journal of Chromatography A</i> , 1999, 837, 17-24. | 3.7 | 30 |
| 15 | Total Synthesis of Resolvin D5. <i>Journal of Organic Chemistry</i> , 2017, 82, 2032-2039. | 3.2 | 20 |
| 16 | Methacrylated silicone-based negative photoresist for high resolution bilayer resist systems. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1986, 4, 414. | 1.6 | 19 |
| 17 | Use of the 2-Pyridinesulfonyloxy Leaving Group for the Fast Copper-Catalyzed Coupling Reaction at Secondary Alkyl Carbons with Grignard Reagents. <i>Organic Letters</i> , 2019, 21, 3247-3251. | 4.6 | 19 |
| 18 | Enhancement of Redox Cycling Currents at Interdigitated Electrodes with Elevated Fingers. <i>Journal of the Electrochemical Society</i> , 2014, 161, H178-H182. | 2.9 | 18 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Imaging and spectroscopic analysis of single microdroplets containing p-cresol using the near-infrared laser tweezers/Raman microprobe system. <i>Surface Science</i> , 1999, 427-428, 141-146. | 1.9 | 13 |
| 20 | Stereoselective synthesis of 17,18-epoxy derivative of EPA and stereoisomers of isoleukotoxin diol by ring opening of TMS-substituted epoxide with dimethyl sodium. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 8614-8626. | 2.8 | 13 |
| 21 | Stereocontrolled Synthesis of Resolvin D4. <i>Journal of Organic Chemistry</i> , 2018, 83, 3906-3914. | 3.2 | 12 |
| 22 | Highly sensitive detection of reversible species by self-induced redox cycling. <i>Journal of Electroanalytical Chemistry</i> , 1992, 326, 339-343. | 3.8 | 11 |
| 23 | Total Syntheses of Perenniporides. <i>Organic Letters</i> , 2015, 17, 5634-5637. | 4.6 | 10 |
| 24 | Asymmetric synthesis of 12-hydroxyheptadecatrienoic acid and its 5,6-dihydro- and 14,15-dehydro-derivatives. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 10667-10673. | 2.8 | 10 |
| 25 | Stereoselective Total Synthesis of Macrophage-Produced Prohealing 14,21-Dihydroxy Docosahexaenoic Acids. <i>Journal of Organic Chemistry</i> , 2018, 83, 154-166. | 3.2 | 8 |
| 26 | Synthesis of the Verapamil Intermediate through the Quaternary Carbon-Constructing Allylic Substitution. <i>Synlett</i> , 2017, 28, 2655-2659. | 1.8 | 7 |
| 27 | Stereocontrolled synthesis of resolvin D1. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 2212-2222. | 2.8 | 7 |
| 28 | Three-Dimensional Molecular Imaging of p-Cresol in a Micro-Capillary Cell using Near-Infrared Raman Microprobe Chemical Tomography. <i>Molecular Crystals and Liquid Crystals</i> , 1998, 314, 191-196. | 0.3 | 6 |
| 29 | Reaction of 1-Trimethylsilyl-1,2-epoxy-3-alkanols with Alkynes and Application to the Synthesis of 18-HEPE. <i>Synlett</i> , 2018, 29, 1791-1795. | 1.8 | 6 |
| 30 | Stereoselective Synthesis of Maresin-Like Lipid Mediators. <i>Synlett</i> , 2019, 30, 343-347. | 1.8 | 6 |
| 31 | Regio- and stereoselective SN ² reaction of an allylic picolinate in the synthesis of LY426965. <i>Tetrahedron</i> , 2018, 74, 1826-1831. | 1.9 | 5 |
| 32 | Synthesis of Resolvin D6 and the Silyl Ether of the Resolvin E2 Methyl Ester via trans-Enynyl Alcohols. <i>Synlett</i> , 2019, 30, 1351-1355. | 1.8 | 4 |
| 33 | Direct pattern fabrication on silicone resin by vapor phase electron beam polymerization. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1983, 1, 1171. | 1.6 | 3 |
| 34 | Syntheses of Secocyclolignanes and Comparative Antioxidative Activity between Secocyclolignane and the Dibenzyl Type of Lignan. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 939-943. | 1.3 | 3 |
| 35 | The Hudrlik-Peterson Reaction of Secondary cis-TMS-Epoxy Alcohols and its Application to the Synthesis of the Fatty Acid Intermediates. <i>Synlett</i> , 2019, 30, 1085-1089. | 1.8 | 2 |
| 36 | Synthesis of Phosphatidylcholines Possessing Functionalized Acids at sn-2, and ¹³ C- ¹⁴ N and ¹³ C- ³¹ P Couplings in Their ¹³ C NMR Spectra. <i>Synlett</i> , 2020, 31, 718-722. | 1.8 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | First Diastereoselective Construction of Butane-Type and Butyrolactone-Type Secocyclolignane Structures. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 2445-2451. | 1.3 | 1 |