

Atsushi Miura

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

2,372
citations

257450

24
h-index

206112

48
g-index

55
all docs

55
docs citations

55
times ranked

2938
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Fluorescence Lifetime Standards for Time and Frequency Domain Fluorescence Spectroscopy. <i>Analytical Chemistry</i> , 2007, 79, 2137-2149. | 6.5 | 397 |
| 2 | Œ-Conjugated Oligo-(p-phenylenevinylene) Rosettes and Their Tubular Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 74-78. | 13.8 | 197 |
| 3 | Light- and STM-Tip-Induced Formation of One-Dimensional and Two-Dimensional Organic Nanostructures. <i>Langmuir</i> , 2003, 19, 6474-6482. | 3.5 | 172 |
| 4 | Circularly Polarized Luminescent CdS Quantum Dots Prepared in a Protein Nanocage. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7006-7009. | 13.8 | 152 |
| 5 | Two-Dimensional Self-Assembly into Multicomponent Hydrogen-Bonded Nanostructures. <i>Nano Letters</i> , 2005, 5, 77-81. | 9.1 | 115 |
| 6 | Floating Nanodot Gate Memory Devices Based on Biomineralized Inorganic Nanodot Array as a Storage Node. <i>Japanese Journal of Applied Physics</i> , 2006, 45, L1-L3. | 1.5 | 100 |
| 7 | Ferroelectricity and Piezoelectricity in Free-Standing Polycrystalline Films of Plastic Crystals. <i>Journal of the American Chemical Society</i> , 2018, 140, 346-354. | 13.7 | 100 |
| 8 | Bias-Dependent Visualization of Electron Donor (D) and Electron Acceptor (A) Moieties in a Chiral DAD Triad Molecule. <i>Journal of the American Chemical Society</i> , 2003, 125, 14968-14969. | 13.7 | 82 |
| 9 | 2D Self-Assembly of Oligo(p-phenylene vinylene) Derivatives: From Dimers to Chiral Rosettes. <i>Small</i> , 2004, 1, 131-137. | 10.0 | 73 |
| 10 | Hydrogen bond directed self-assembly of core-substituted naphthalene bisimides with melamines in solution and at the graphite interface. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 414-422. | 2.8 | 71 |
| 11 | Floating nanodot gate memory fabrication with biomineralized nanodot as charge storage node. <i>Journal of Applied Physics</i> , 2008, 103, . | 2.5 | 61 |
| 12 | Cadmium Sulfide Nanoparticle Synthesis in Dps Protein from <i>Listeria innocua</i> . <i>Chemistry of Materials</i> , 2007, 19, 3105-3111. | 6.7 | 60 |
| 13 | Glycine Crystallization in Solution by CW Laser-Induced Microbubble on Gold Thin Film Surface. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 1158-1163. | 8.0 | 58 |
| 14 | Electron confinement in a metal nanodot monolayer embedded in silicon dioxide produced using ferritin protein. <i>Applied Physics Letters</i> , 2006, 88, 023108. | 3.3 | 54 |
| 15 | Rapid and reversible photoinduced switching of a rotaxane crystal. <i>Nature Communications</i> , 2016, 7, 13321. | 12.8 | 45 |
| 16 | Towards supramolecular electronics. <i>Synthetic Metals</i> , 2004, 147, 43-48. | 3.9 | 44 |
| 17 | Non-volatile flash memory with discrete bionanodot floating gate assembled by protein template. <i>Nanotechnology</i> , 2008, 19, 255201. | 2.6 | 39 |
| 18 | Femtosecond fluorescence spectroscopy and near-field spectroscopy of water-soluble tetra(4-sulfonatophenyl)porphyrin and its J-aggregate. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 178, 192-200. | 3.9 | 35 |

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|----|---|------|-----------|
| 19 | Different back electron transfer from titanium dioxide nanoparticles to tetra (4-sulfonatophenyl) porphyrin monomer and its J-aggregate. <i>Chemical Physics Letters</i> , 2001, 334, 257-264. | 2.6 | 32 |
| 20 | Floating Gate Metal-Oxide-Semiconductor Capacitor Employing Array of High-Density Nanodots Produced by Protein Supramolecule. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 8946-8951. | 1.5 | 30 |
| 21 | Scanning Tunneling Microscopy and Spectroscopy of Donor-Acceptor-Donor Triads at the Liquid/Solid Interface. <i>ChemPhysChem</i> , 2005, 6, 2389-2395. | 2.1 | 27 |
| 22 | Laser-trapping assembling dynamics of molecules and proteins at surface and interface. <i>Pure and Applied Chemistry</i> , 2011, 83, 869-883. | 1.9 | 25 |
| 23 | Effects of Dot Density and Dot Size on Charge Injection Characteristics in Nanodot Array Produced by Protein Supramolecules. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 7549. | 1.5 | 24 |
| 24 | Crystal Growth of Lysozyme Controlled by Laser Trapping. <i>Crystal Growth and Design</i> , 2014, 14, 15-22. | 3.0 | 23 |
| 25 | Further enhancement of the near-field on Au nanogap dimers using quasi-dark plasmon modes. <i>Journal of Chemical Physics</i> , 2020, 152, 104706. | 3.0 | 21 |
| 26 | Bionanodot monolayer array fabrication for nonvolatile memory application. <i>Surface Science</i> , 2007, 601, L81-L85. | 1.9 | 20 |
| 27 | Polar Order in Spin-Coated Films of a Regioregular Chiral Poly[(S)-3-(3,7-dimethyloctyl)thiophene]. <i>Advanced Materials</i> , 2005, 17, 708-712. | 21.0 | 19 |
| 28 | Charging and Coulomb staircase effects in silicon nanodisk structures fabricated by defect-free Cl neutral beam etching process. <i>Applied Physics Letters</i> , 2006, 89, 233127. | 3.3 | 19 |
| 29 | Microspectroscopic Analyses of Dye Distribution Characteristics in Single Microcapsules. <i>Analytical Chemistry</i> , 1998, 70, 111-116. | 6.5 | 18 |
| 30 | Fluorescence dynamics and morphology of electroluminescent polymer in small domains by time-resolved SNOM. <i>Thin Solid Films</i> , 2001, 393, 329-333. | 1.8 | 15 |
| 31 | The characterization of a single discrete bionanodot for memory device applications. <i>Nanotechnology</i> , 2009, 20, 125702. | 2.6 | 15 |
| 32 | Supramolecular chemistry at the liquid/solid interface probed by scanning tunnelling microscopy. <i>International Journal of Nanotechnology</i> , 2006, 3, 462. | 0.2 | 14 |
| 33 | Excitation energy transfer of porphyrin in polymer thin films by time-resolved scanning near-field optical microscopy. <i>Journal of Microscopy</i> , 2001, 202, 401-407. | 1.8 | 13 |
| 34 | Conformational relaxation dynamics of a poly(N-isopropylacrylamide) aqueous solution measured using the laser temperature jump transient grating method. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 5620. | 2.8 | 12 |
| 35 | Magnetic Field Effects on the Lifetimes of Triplet Biradicals Photogenerated from Zinc(II) Tetraphenylporphyrin-Viologen Chain-Linked Compounds: Dependence on Spacer Chain Length and Environment. <i>Bulletin of the Chemical Society of Japan</i> , 2001, 74, 657-665. | 3.2 | 11 |
| 36 | Nonvolatile Flash Memory Based on Biologically Integrated Hierarchical Nanostructures. <i>Langmuir</i> , 2013, 29, 12483-12489. | 3.5 | 10 |

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|----|--|------|-----------|
| 37 | Mesoscopic structures and dynamics of merocyanine aggregate studied by time-resolved fluorescence SNOM. <i>Journal of Microscopy</i> , 2001, 202, 425-432. | 1.8 | 8 |
| 38 | Positional Control of Crystal Grains in Silicon Thin Film Utilizing Cage-Shaped Protein. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 04DL12. | 1.5 | 8 |
| 39 | Optical Trapping Microspectroscopy of Single Aerosol Microdroplets in Air: Supercooling of Dimethylsulfoxide Microdroplets. <i>Journal of Physical Chemistry A</i> , 2020, 124, 9035-9043. | 2.5 | 8 |
| 40 | Liquid-liquid interface-promoted formation of a porous molecular crystal based on a luminescent platinum(ii) complex. <i>Chemical Communications</i> , 2020, 56, 12989-12992. | 4.1 | 8 |
| 41 | Controlled Reduction of Bionanodots for Better Charge Storage Characteristics of Bionanodots Flash Memory. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 04C190. | 1.5 | 7 |
| 42 | Picosecond fluorescence dynamics of dioctadecylrhodamine B at air/water interface: micropolarity and cluster formation. <i>Chemical Physics Letters</i> , 2000, 328, 23-31. | 2.6 | 6 |
| 43 | Polycrystalline silicon thin-film transistor utilizing self-assembled monolayer for crystallization. <i>Thin Solid Films</i> , 2013, 540, 266-270. | 1.8 | 6 |
| 44 | Optical Trapping Polarized Raman Microspectroscopy of Single Ethanol Aerosol Microdroplets: Droplet Size Effects on Rotational Relaxation Time and Viscosity. <i>Analytical Chemistry</i> , 2021, 93, 5218-5224. | 6.5 | 6 |
| 45 | Positional Control of Crystal Grains in Silicon Thin Film Utilizing Cage-Shaped Protein. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 04DL12. | 1.5 | 6 |
| 46 | Distribution of Zinc Tetraphenylporphine in Single Melamine-Resin/Toluene Microcapsules Studied by Laser Trapping-Microspectroscopy. <i>Chemistry Letters</i> , 1996, 25, 923-924. | 1.3 | 4 |
| 47 | Wide-field light scattering imaging of laser trapping dynamics of single gold nanoparticles in solution. , 2010, , . | | 4 |
| 48 | Solution-Processed Silicane Field-Effect Transistor: Operation Due to Stacking Defects on the Channel. <i>Advanced Functional Materials</i> , 2020, 30, 1908746. | 14.9 | 4 |
| 49 | Single crystal formation of amino acid with high temporal controllability by combining femtosecond and continuous wave laser trapping. <i>Applied Physics B: Lasers and Optics</i> , 2013, 112, 473-477. | 2.2 | 3 |
| 50 | Laser-Induced Single-Molecule Extraction and Detection in Aqueous Poly(<i>N</i> -isopropylacrylamide)/1-Butanol Solutions. <i>Analytical Chemistry</i> , 2021, 93, 3202-3208. | 6.5 | 2 |
| 51 | Supramolecular Chemistry at the Liquid/Solid Interface. <i>Materials Research Society Symposia Proceedings</i> , 2005, 901, 1. | 0.1 | 0 |
| 52 | Forming Fe nanocrystals by reduction of ferritin nanocores for metal nanocrystal memory. <i>AIP Advances</i> , 2022, 12, 055029. | 1.3 | 0 |