

Atsushi Miura

List of Publications by Year in descending order

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papers

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55
all docs

55
docs citations

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times ranked

2938
citing authors

#	ARTICLE	IF	CITATIONS
1	Forming Fe nanocrystals by reduction of ferritin nanocores for metal nanocrystal memory. AIP Advances, 2022, 12, 055029.	1.3	0
2	Laser-Induced Single-Molecule Extraction and Detection in Aqueous Poly(N-isopropylacrylamide)/1-Butanol Solutions. Analytical Chemistry, 2021, 93, 3202-3208.	6.5	2
3	Optical Trappingâ€Polarized Raman Microspectroscopy of Single Ethanol Aerosol Microdroplets: Droplet Size Effects on Rotational Relaxation Time and Viscosity. Analytical Chemistry, 2021, 93, 5218-5224.	6.5	6
4	Optical Trappingâ€Microspectroscopy of Single Aerosol Microdroplets in Air: Supercooling of Dimethylsulfoxide Microdroplets. Journal of Physical Chemistry A, 2020, 124, 9035-9043.	2.5	8
5	Liquidâ€liquid interface-promoted formation of a porous molecular crystal based on a luminescent platinum(ii) complex. Chemical Communications, 2020, 56, 12989-12992.	4.1	8
6	Further enhancement of the near-field on Au nanogap dimers using quasi-dark plasmon modes. Journal of Chemical Physics, 2020, 152, 104706.	3.0	21
7	Solutionâ€Processed Silicane Fieldâ€Effect Transistor: Operation Due to Stacking Defects on the Channel. Advanced Functional Materials, 2020, 30, 1908746.	14.9	4
8	Ferroelectricity and Piezoelectricity in Free-Standing Polycrystalline Films of Plastic Crystals. Journal of the American Chemical Society, 2018, 140, 346-354.	13.7	100
9	Rapid and reversible photoinduced switching of a rotaxane crystal. Nature Communications, 2016, 7, 13321.	12.8	45
10	Crystal Growth of Lysozyme Controlled by Laser Trapping. Crystal Growth and Design, 2014, 14, 15-22.	3.0	23
11	Single crystal formation of amino acid with high temporal controllability by combining femtosecond and continuous wave laser trapping. Applied Physics B: Lasers and Optics, 2013, 112, 473-477.	2.2	3
12	Polycrystalline silicon thin-film transistor utilizing self-assembled monolayer for crystallization. Thin Solid Films, 2013, 540, 266-270.	1.8	6
13	Nonvolatile Flash Memory Based on Biologically Integrated Hierarchical Nanostructures. Langmuir, 2013, 29, 12483-12489.	3.5	10
14	Conformational relaxation dynamics of a poly(N-isopropylacrylamide) aqueous solution measured using the laser temperature jump transient grating method. Physical Chemistry Chemical Physics, 2012, 14, 5620.	2.8	12
15	Glycine Crystallization in Solution by CW Laser-Induced Microbubble on Gold Thin Film Surface. ACS Applied Materials & Interfaces, 2012, 4, 1158-1163.	8.0	58
16	Positional Control of Crystal Grains in Silicon Thin Film Utilizing Cage-Shaped Protein. Japanese Journal of Applied Physics, 2011, 50, 04DL12.	1.5	8
17	Laser-trapping assembling dynamics of molecules and proteins at surface and interface. Pure and Applied Chemistry, 2011, 83, 869-883.	1.9	25
18	Positional Control of Crystal Grains in Silicon Thin Film Utilizing Cage-Shaped Protein. Japanese Journal of Applied Physics, 2011, 50, 04DL12.	1.5	6

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19	Circularly Polarized Luminescent CdS Quantum Dots Prepared in a Protein Nanocage. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7006-7009.	13.8	152
20	Wide-field light scattering imaging of laser trapping dynamics of single gold nanoparticles in solution. , 2010, , .		4
21	The characterization of a single discrete bionanodot for memory device applications. <i>Nanotechnology</i> , 2009, 20, 125702.	2.6	15
22	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
23	Non-volatile flash memory with discrete bionanodot floating gate assembled by protein template. <i>Nanotechnology</i> , 2008, 19, 255201.	2.6	39
24	Floating nanodot gate memory fabrication with biomineralized nanodot as charge storage node. <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	61
25	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
26	Cadmium Sulfide Nanoparticle Synthesis in Dps Protein from <i>Listeria innocua</i> . <i>Chemistry of Materials</i> , 2007, 19, 3105-3111.	6.7	60
27	Fluorescence Lifetime Standards for Time and Frequency Domain Fluorescence Spectroscopy. <i>Analytical Chemistry</i> , 2007, 79, 2137-2149.	6.5	397
28	Bionanodot monolayer array fabrication for nonvolatile memory application. <i>Surface Science</i> , 2007, 601, L81-L85.	1.9	20
29	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
30	Supramolecular chemistry at the liquid/solid interface probed by scanning tunnelling microscopy. <i>International Journal of Nanotechnology</i> , 2006, 3, 462.	0.2	14
31	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
32	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
33	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
34	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
35	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
36	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

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37	Supramolecular Chemistry at the Liquid/Solid Interface. Materials Research Society Symposia Proceedings, 2005, 901, 1.	0.1	0
38	Hydrogen bond directed self-assembly of core-substituted naphthalene bisimides with melamines in solution and at the graphite interface. Organic and Biomolecular Chemistry, 2005, 3, 414-422.	2.8	71
39	Two-Dimensional Self-Assembly into Multicomponent Hydrogen-Bonded Nanostructures. Nano Letters, 2005, 5, 77-81.	9.1	115
40	2D Self-Assembly of Oligo(p-phenylene vinylene) Derivatives: From Dimers to Chiral Rosettes. Small, 2004, 1, 131-137.	10.0	73
41	π-Conjugated Oligo-(p-phenylenevinylene) Rosettes and Their Tubular Self-Assembly. Angewandte Chemie - International Edition, 2004, 43, 74-78.	13.8	197
42	Towards supramolecular electronics. Synthetic Metals, 2004, 147, 43-48.	3.9	44
43	Light- and STM-Tip-Induced Formation of One-Dimensional and Two-Dimensional Organic Nanostructures. Langmuir, 2003, 19, 6474-6482.	3.5	172
44	Bias-Dependent Visualization of Electron Donor (D) and Electron Acceptor (A) Moieties in a Chiral DAD Triad Molecule. Journal of the American Chemical Society, 2003, 125, 14968-14969.	13.7	82
45	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. Bulletin of the Chemical Society of Japan, 2001, 74, 657-665.	3.2	11
46	Excitation energy transfer of porphyrin in polymer thin films by time-resolved scanning near-field optical microspectroscopy. Journal of Microscopy, 2001, 202, 401-407.	1.8	13
47	Mesoscopic structures and dynamics of merocyanine J-aggregate studied by time-resolved fluorescence SNOM. Journal of Microscopy, 2001, 202, 425-432.	1.8	8
48	Fluorescence dynamics and morphology of electroluminescent polymer in small domains by time-resolved SNOM. Thin Solid Films, 2001, 393, 329-333.	1.8	15
49	Different back electron transfer from titanium dioxide nanoparticles to tetra (4-sulfonatophenyl) porphyrin monomer and its J-aggregate. Chemical Physics Letters, 2001, 334, 257-264.	2.6	32
50	Picosecond fluorescence dynamics of dioctadecylrhodamine B at air/water interface: micropolarity and cluster formation. Chemical Physics Letters, 2000, 328, 23-31.	2.6	6
51	Microspectroscopic Analyses of Dye Distribution Characteristics in Single Microcapsules. Analytical Chemistry, 1998, 70, 111-116.	6.5	18
52	Distribution of Zinc Tetraphenylporphine in Single Melamine-Resin/Toluene Microcapsules Studied by Laser Trapping-Microspectroscopy. Chemistry Letters, 1996, 25, 923-924.	1.3	4