

# Hiroshi Masuhara

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

564  
papers

13,473  
citations

54  
h-index

81  
g-index

590  
ext. papers

14,359  
ext. citations

4.1  
avg, IF

6.14  
L-index

#	Paper	IF	Citations
564	Nanoparticle Assembling Dynamics Induced by Pulsed Optical Force. <i>Chemical Record</i> , <b>2021</b> , 21, 1473-1488	15.7	0
563	Optical Force-Induced Chemistry at Solution Surfaces. <i>Annual Review of Physical Chemistry</i> , <b>2021</b> , 72, 565-589	15.7	7
562	Resonantly Enhanced Optical Trapping of Single Dye-Doped Particles at an Interface. <i>ACS Photonics</i> , <b>2021</b> , 8, 1832-1839	6.3	4
561	From Nanosecond Photochemistry to Optical Force Chemistry: My Journey. <i>Chemical Record</i> , <b>2021</b> , 21, 1261-1269	6.6	0
560	Photon Momentum Dictates the Shape of Swarming Gold Nanoparticles in Optical Trapping at an Interface. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 19013-19021	3.8	1
559	Cooperative Optical Trapping of Polystyrene Microparticle and Protein Forming a Submillimeter Linear Assembly of Microparticle. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 18988-18999	3.8	3
558	Evolving Crystal Morphology of Potassium Chloride Controlled by Optical Trapping. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 6913-6921	3.8	14
557	Dynamic Coupling of Optically Evolved Assembling and Swarming of Gold Nanoparticles with Photothermal Local Phase Separation of Polymer Solution. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 16604-16615	3.8	10
556	Spatiotemporal Dynamics of Aggregation-Induced Emission Enhancement Controlled by Optical Manipulation. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 7063-7068	16.4	13
555	Spatiotemporal Dynamics of Aggregation-Induced Emission Enhancement Controlled by Optical Manipulation. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 7129-7134	3.6	1
554	Transmission spectral and diffraction pattern study on optical trapping and assembling of dielectric nanoparticles at solution/glass interface <b>2020</b> ,		1
553	Surface plasmon resonance effect on laser trapping and swarming of gold nanoparticles at an interface. <i>Optics Express</i> , <b>2020</b> , 28, 27727-27735	3.3	10
552	Fast-tracking of single emitters in large volumes with nanometer precision. <i>Optics Express</i> , <b>2020</b> , 28, 28656-28671	3.3	10
551	Large Submillimeter Assembly of Microparticles with Necklace-like Patterns Formed by Laser Trapping at Solution Surface. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 6057-6062	6.4	4
550	Anomalously Large Assembly Formation of Polystyrene Nanoparticles by Optical Trapping at the Solution Surface. <i>Langmuir</i> , <b>2020</b> , 36, 14234-14242	4	5
549	Optical Force-Induced Dynamics of Assembling, Rearrangement, and Three-Dimensional Pistol-like Ejection of Microparticles at the Solution Surface. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 27107-27117	3.8	5
548	Photo-induced electrodeposition of metallic nanostructures on graphene. <i>Nanoscale</i> , <b>2020</b> , 12, 11063-11069	10.69	3

547	Formation Mechanism and Fluorescence Characterization of a Transient Assembly of Nanoparticles Generated by Femtosecond Laser Trapping. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 27823-27833	3.8	5
546	In situ reflection imaging and microspectroscopic study on three-dimensional crystal growth of L-phenylalanine under laser trapping. <i>Applied Physics Express</i> , <b>2019</b> , 12, 112008	2.4	2
545	Rapid localized crystallization of lysozyme by laser trapping. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 6034-6039	3.6	14
544	Femtosecond Laser Trapping Dynamics of Nanoparticles: A Single Transient Assembly Formation Leading to Their Directional Ejection. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 13233-13242	3.8	5
543	A Single Large Assembly with Dynamically Fluctuating Swarms of Gold Nanoparticles Formed by Trapping Laser. <i>Nano Letters</i> , <b>2018</b> , 18, 5846-5853	11.5	25
542	Bubble generation and molecular crystallization at solution surface by intense continuous-wave laser irradiation. <i>Applied Physics Express</i> , <b>2018</b> , 11, 085502	2.4	
541	Pseudopolymorph Control of L-Phenylalanine Achieved by Laser Trapping. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 5417-5425	3.5	18
540	Femtosecond laser trapping, assembling, and ejection dynamics of dielectric nanoparticles in solution <b>2018</b> ,		1
539	Novel physical chemistry approaches in biophysical researches with advanced application of lasers: Detection and manipulation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2018</b> , 1862, 335-357	4	5
538	Crystal Growth and Dissolution Dynamics of L-Phenylalanine Controlled by Solution Surface Laser Trapping. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 7079-7087	3.5	9
537	Size-Dependent Optical Properties of Grana Inside Chloroplast of Plant Cells. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 915-922	3.4	4
536	A Single Spherical Assembly of Protein Amyloid Fibrils Formed by Laser Trapping. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 6739-6743	16.4	16
535	A Single Spherical Assembly of Protein Amyloid Fibrils Formed by Laser Trapping. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 6843-6847	3.6	1
534	Preparation and micropatterning of gold nanoparticles by femtosecond laser-induced optical breakdown. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2017</b> , 346, 177-186	4.7	13
533	Photocontrolled Supramolecular Assembling of Azobenzene-Based Biscalix[4]arenes upon Starting and Stopping Laser Trapping. <i>Langmuir</i> , <b>2017</b> , 33, 755-763	4	10
532	Enhanced optical confinement of dielectric nanoparticles by two-photon resonance transition. <i>RSC Advances</i> , <b>2017</b> , 7, 42606-42613	3.7	7
531	Femtosecond-Laser-Enhanced Amyloid Fibril Formation of Insulin. <i>Langmuir</i> , <b>2017</b> , 33, 8311-8318	4	9
530	Resonance optical trapping of individual dye-doped polystyrene particles with blue- and red-detuned lasers. <i>Optics Express</i> , <b>2017</b> , 25, 4655-4664	3.3	15

529	Reflection Microspectroscopic Study of Laser Trapping Assembling of Polystyrene Nanoparticles at Air/Solution Interface. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 15578-15585	3.8	23
528	In situ patterning and controlling living cells by utilizing femtosecond laser. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , <b>2016</b> , 28, 1-28	16.4	14
527	Optically Evolved Assembly Formation in Laser Trapping of Polystyrene Nanoparticles at Solution Surface. <i>Langmuir</i> , <b>2016</b> , 32, 12488-12496	4	28
526	Optical Trapping Dynamics of a Single Polystyrene Sphere: Continuous Wave versus Femtosecond Lasers. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 2392-2399	3.8	25
525	Picosecond Motional Relaxation of Nanoparticles in Femtosecond Laser Trapping. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 5251-5256	3.8	9
524	Two-Dimensional Growth Rate Control of L-Phenylalanine Crystal by Laser Trapping in Unsaturated Aqueous Solution. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 953-960	3.5	27
523	Highly-integrated, laser manipulable aqueous metal carbonyl vesicles (MCSomes) with aggregation-induced emission (AIE) and aggregation-enhanced IR absorption (AEIRA). <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 5231-5240	7.1	14
522	Optical Trapping-Formed Colloidal Assembly with Horns Extended to the Outside of a Focus through Light Propagation. <i>Nano Letters</i> , <b>2016</b> , 16, 3058-62	11.5	46
521	Optical trapping assembling of clusters and nanoparticles in solution by CW and femtosecond lasers. <i>Optical Review</i> , <b>2015</b> , 22, 143-148	0.9	3
520	Dynamics and Mechanism of Laser Trapping-Induced Crystal Growth of Hen Egg White Lysozyme. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 4760-4767	3.5	15
519	Laser trapping and assembling of nanoparticles at solution surface studied by reflection micro-spectroscopy <b>2015</b> ,		1
518	Exploratory Research on Time- and Space-Resolved Spectroscopy and Chemistry. <i>Chemical Record</i> , <b>2015</b> , 15, 1153-5	6.6	
517	Laser ablation for protein crystal nucleation and seeding. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 2147-58	58.5	40
516	Laser trapping-induced crystallization of L-phenylalanine through its high-concentration domain formation. <i>Photochemical and Photobiological Sciences</i> , <b>2014</b> , 13, 254-60	4.2	20
515	Metabolic variation of HeLa cells migrating on microfabricated cytophilic channels studied by the fluorescence lifetime of NADH. <i>RSC Advances</i> , <b>2014</b> , 4, 44100-44104	3.7	4
514	Crystal Growth of Lysozyme Controlled by Laser Trapping. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 15-22	3.5	20
513	Efficient optical trapping of CdTe quantum dots by femtosecond laser pulses. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 14010-6	3.4	25
512	Optical Trapping-Induced Formation of Large Cluster Domain of Amino Acids and Proteins. <i>The Review of Laser Engineering</i> , <b>2014</b> , 42, 756	0	

511	Polarization and droplet size effects in the laser-trapping-induced reconfiguration in individual nematic liquid crystal microdroplets. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 4536-40	3.4	0
510	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> , <b>2013</b> , 112, 473-477	1.9	3
509	In situ laser micropatterning of proteins for dynamically arranging living cells. <i>Lab on A Chip</i> , <b>2013</b> , 13, 4078-86	7.2	11
508	Femtosecond Pulse-Width Dependent Trapping and Directional Ejection Dynamics of Dielectric Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 19182-19188	3.8	26
507	Single femtosecond laser pulse-single crystal formation of glycine at the solution surface. <i>Journal of Crystal Growth</i> , <b>2013</b> , 366, 101-106	1.6	12
506	Laser Trapping and Crystallization Dynamics of L-Phenylalanine at Solution Surface. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 2436-40	6.4	31
505	Optical trapping of nanoparticles by ultrashort laser pulses. <i>Science Progress</i> , <b>2013</b> , 96, 1-18	1.1	30
504	Laser trapping dynamics of 200 nm-polystyrene particles at a solution surface <b>2013</b> ,		1
503	Time-Resolved Spectroscopic and Imaging Studies on Laser Ablation of Molecular Systems: From Mechanistic Study to Bio/Nano Applications. <i>Bulletin of the Chemical Society of Japan</i> , <b>2013</b> , 86, 755-783	5.1	18
502	Optical trapping and polarization-controlled scattering of dielectric spherical nanoparticles by femtosecond laser pulses. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2012</b> , 234, 83-90	4.7	34
501	Laser trapping chemistry: from polymer assembly to amino acid crystallization. <i>Accounts of Chemical Research</i> , <b>2012</b> , 45, 1946-54	24.3	98
500	Formation, Dissolution, and Transfer Dynamics of a Millimeter-Scale Thin Liquid Droplet in Glycine Solution by Laser Trapping. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 6809-6816	3.8	20
499	Spatially Precise, Soft Microseeding of Single Protein Crystals by Femtosecond Laser Ablation. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 4334-4339	3.5	12
498	Selective Fabrication of $\alpha$ and $\beta$ Polymorphs of Glycine by Intense Polarized Continuous Wave Laser Beams. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 2427-2434	3.5	44
497	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> , <b>2012</b> , 14, 5620-7	3.6	12
496	Glycine crystallization in solution by CW laser-induced microbubble on gold thin film surface. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 1158-63	9.5	51
495	Laser trapping dynamics of L-alanine depending on the laser polarization <b>2012</b> ,		6
494	Femtosecond trapping efficiency enhanced for nano-sized silica spheres <b>2012</b> ,		9

493	Confinement of photopolymerization and solidification with radiation pressure. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 14472-5	16.4	31
492	Optical Reorientation and Trapping of Nematic Liquid Crystals Leading to the Formation of Micrometer-Sized Domain. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 11906-11913	3.8	14
491	Laser-induced crystallization and crystal growth. <i>Chemistry - an Asian Journal</i> , <b>2011</b> , 6, 2878-89	4.5	16
490	Morphological evaluation of cell differentiation after the isolation of single cells by a femtosecond laser-induced impulsive force. <i>Biomedical Microdevices</i> , <b>2011</b> , 13, 117-22	3.7	7
489	Induction of cell-cell connections by using in situ laser lithography on a perfluoroalkyl-coated cultivation platform. <i>ChemBioChem</i> , <b>2011</b> , 12, 795-801	3.8	13
488	Wide-field Rayleigh scattering imaging and spectroscopy of gold nanoparticles in heavy water under laser trapping. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2011</b> , 221, 187-193	4.7	17
487	guidance of individual neuronal processes by wet femtosecond-laser processing of self-assembled monolayers. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 163701	3.4	25
486	Laser-trapping assembling dynamics of molecules and proteins at surface and interface. <i>Pure and Applied Chemistry</i> , <b>2011</b> , 83, 869-883	2.1	22
485	Single droplet formation and crystal growth in urea solution induced by laser trapping <b>2010</b> ,		1
484	SECONDARY CONVERGENCE IN FEMTOSECOND LASER TRAPPING. <i>Modern Physics Letters B</i> , <b>2010</b> , 24, 1739-1746	1.6	1
483	Wide-field light scattering imaging of laser trapping dynamics of single gold nanoparticles in solution <b>2010</b> ,		4
482	Control of Crystal Polymorph of Glycine by Photon Pressure of a Focused Continuous Wave Near-Infrared Laser Beam. <i>Journal of Physical Chemistry Letters</i> , <b>2010</b> , 1, 599-603	6.4	49
481	Millimeter-Scale Dense Liquid Droplet Formation and Crystallization in Glycine Solution Induced by Photon Pressure. <i>Journal of Physical Chemistry Letters</i> , <b>2010</b> , 1, 1321-1325	6.4	41
480	Crystallization in Unsaturated Glycine/D2O Solution Achieved by Irradiating a Focused Continuous Wave Near Infrared Laser. <i>Crystal Growth and Design</i> , <b>2010</b> , 10, 4686-4688	3.5	57
479	Photochemical reaction of p-hydroxycinnamic-thiophenyl ester in the microcrystalline state. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 14233-40	3.4	6
478	In situ observation of cell-detachment process initiated by femtosecond laser-induced stress wave. <i>Applied Physics A: Materials Science and Processing</i> , <b>2010</b> , 101, 127-131	2.6	6
477	Micro-channel fabrication by femtosecond laser to arrange neuronal cells on multi-electrode arrays. <i>Applied Physics A: Materials Science and Processing</i> , <b>2010</b> , 101, 423-428	2.6	9
476	Nanoparticle preparation of quinacridone and $\beta$ -carotene using near-infrared laser ablation of their crystals. <i>Applied Physics A: Materials Science and Processing</i> , <b>2010</b> , 101, 591-596	2.6	4

475	Local stimulation of cultured myocyte cells by femtosecond laser-induced stress wave. <i>Applied Physics A: Materials Science and Processing</i> , <b>2010</b> , 101, 597-600	2.6	8
474	Nanosecond laser preparation of C60 aqueous nanocolloids. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2009</b> , 207, 7-12	4.7	27
473	Micropatterning of perfluoroalkyl self-assembled monolayers for arraying proteins and cells on chips. <i>Applied Surface Science</i> , <b>2009</b> , 255, 7647-7651	6.7	17
472	Gene delivery process in a single animal cell after femtosecond laser microinjection. <i>Applied Surface Science</i> , <b>2009</b> , 255, 9880-9884	6.7	24
471	Comparative Investigation of Ultrafast Photoinduced Processes in Salicylidene-Aminopyridine in Solution and Solid State. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 11959-11968	3.8	59
470	Spectral and 3-Dimensional Tracking of Single Gold Nanoparticles in Living Cells Studied by Rayleigh Light Scattering Microscopy. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 11766-11772	3.8	47
469	Blinking photoluminescence properties of single TiO <sub>2</sub> nanodiscs: interfacial electron transfer dynamics. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 534-42	3.6	48
468	Crystal Growth of Glycine Controlled by a Focused CW Near-infrared Laser Beam. <i>Chemistry Letters</i> , <b>2009</b> , 38, 482-483	1.7	23
467	Laser fabrication and spectroscopy of organic nanoparticles. <i>Accounts of Chemical Research</i> , <b>2008</b> , 41, 1790-8	24.3	167
466	Laser microfabrication and rotation of ship-in-a-bottle optical rotators. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 051107	3.4	31
465	Fabrication of Gold Nanoparticle-Doped Zeolite L Crystals and Characterization by Optical Microscopy: Laser Ablation- and Crystallization Inclusion-Based Approach. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 15089-15093	3.8	41
464	Laser fabrication and crystallization of nano materials <b>2008</b> ,		1
463	Smart bombing a single targeted cell with femtogram order reagents using laser-induced shockwave technique <b>2008</b> ,		1
462	Viability evaluation of culture cells patterned by femtosecond laser-induced impulsive force <b>2008</b> ,		6
461	Femtosecond laser manipulation techniques for individual patterning of biological micro-object <b>2008</b> ,		1
460	Nanoparticle injection to single animal cells using femtosecond laser-induced impulsive force. <i>Applied Physics A: Materials Science and Processing</i> , <b>2008</b> , 93, 39-43	2.6	15
459	Femtosecond laser modification of living neuronal network. <i>Applied Physics A: Materials Science and Processing</i> , <b>2008</b> , 93, 57-63	2.6	15
458	Fabrication of fluorescent nanoparticles of dendronized perylene diimide by laser ablation in water. <i>Applied Physics A: Materials Science and Processing</i> , <b>2008</b> , 93, 5-9	2.6	28

457	Correlation between cell morphology and aggrecan gene expression level during differentiation from mesenchymal stem cells to chondrocytes. <i>Biotechnology Letters</i> , <b>2008</b> , 30, 1189-95	3	18
456	Laser fabrication of nanoparticles and crystals in solution <b>2008</b> ,		1
455	Anthracene Crystallization Induced by Single-Shot Femtosecond Laser Irradiation: Experimental Evidence for the Important Role of Bubbles. <i>Crystal Growth and Design</i> , <b>2007</b> , 7, 885-889	3.5	46
454	Study on Electrophoretic Deposition of Size-Controlled Quinacridone Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 14658-14663	3.8	20
453	Synthesis of Sn-Porphyrin-Intercalated Trititanate Nanofibers: Optoelectronic Properties and Photocatalytic Activities. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 1984-1991	9.6	65
452	Femtosecond laser-induced crystallization of protein in gel medium. <i>Applied Surface Science</i> , <b>2007</b> , 253, 6425-6429	6.7	31
451	Realignment process of actin stress fibers in single living cells studied by focused femtosecond laser irradiation. <i>Applied Surface Science</i> , <b>2007</b> , 253, 6416-6419	6.7	11
450	Polarization and wavelength dependent nonlinear optical properties of a photo-switchable organic crystal. <i>Chemical Physics Letters</i> , <b>2007</b> , 437, 212-217	2.5	28
449	Single Particle Spectroscopic Investigation on the Interaction between Exciton Transition of Cyanine Dye J-Aggregates and Localized Surface Plasmon Polarization of Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 1549-1552	3.8	84
448	Nondestructive micro-patterning of proteinous occlusion bodies in water by femtosecond laser-induced mechanical force. <i>Biomedical Microdevices</i> , <b>2007</b> , 9, 105-111	3.7	13
447	Femtosecond laser-induced cleaving of protein crystal in water solution. <i>Applied Surface Science</i> , <b>2007</b> , 253, 6447-6450	6.7	7
446	Laser Deposition of Polymer Micro- and Nanoassembly from Solution Using Focused Near-Infrared Laser Beam. <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, 449-454	1.4	5
445	SPATIAL LIGHT MODULATING AND MULTI-TRAPPING WITH A DMD. <i>Modern Physics Letters B</i> , <b>2007</b> , 21, 175-181	1.6	
444	Laser Ablation of Individual Gold Nanoparticles in Solution. <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, L241-L243	1.4	9
443	Trapping and manipulation of a single micro-object in solution with femtosecond laser-induced mechanical force. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 061107	3.4	23
442	Laser microfixation of highly ordered J aggregates on a glass substrate. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 041102	3.4	13
441	Nondestructive micropatterning of living animal cells using focused femtosecond laser-induced impulsive force. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 023904	3.4	40
440	Surface-enhanced hyper-Raman spectroscopy using optical trapping of silver nanoparticles for molecular detection in solution. <i>Journal of Optics</i> , <b>2007</b> , 9, S164-S171		19



439	A photoisomerization study on photoactive yellow protein model chromophores from solution to crystalline phases. <i>Handai Nanophotonics</i> , <b>2007</b> , 3, 357-372		1
438	Multipole Resonance Modes in Localized Surface Plasmon of Single Hexagonal/Triangular Gold Nanoplates. <i>Chemistry Letters</i> , <b>2007</b> , 36, 318-319	1.7	10
437	Crystallization of Glycine by Photon Pressure of a Focused CW Laser Beam. <i>Chemistry Letters</i> , <b>2007</b> , 36, 1480-1481	1.7	122
436	Fullerene (C60) Nanostructures Having Interpenetrating Surfaces Prepared by Electrophoretic Deposition of C60 Nanoparticles in Water. <i>Chemistry Letters</i> , <b>2007</b> , 36, 1160-1161	1.7	18
435	Laser-Induced Self-Assembly of Pseudoisocyanine J-Aggregates. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 18457-18460	3.8	10
434	Effects of optical trapping and liquid surface deformation on the laser microdeposition of a polymer assembly in solution. <i>Langmuir</i> , <b>2007</b> , 23, 6725-9	4	26
433	Preparation and Photoconductive Property of Electrophoretically Deposited Film of Quinacridone Nanoparticles Prepared by Laser Ablation in Water. <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, L733-L735	1.4	11
432	Single Cell Control Based on Femtosecond Laser-induced Nonlinear Phenomena. <i>The Review of Laser Engineering</i> , <b>2007</b> , 35, 430-435	0	2
431	Femtosecond laser processing in water for single living cell and solid phase protein. <i>The Review of Laser Engineering</i> , <b>2007</b> , 35, 246-247	0	
430	Fluorescence Evaluation of Antigen-Antibody Reactivity on Surface of Proteinaceous Occlusion Body: Toward Application in Reusable Protein Chip. <i>Japanese Journal of Applied Physics</i> , <b>2006</b> , 45, 323-327	1.4	5
429	Size and Phase Control in Quinacridone Nanoparticle Formation by Laser Ablation in Water. <i>Japanese Journal of Applied Physics</i> , <b>2006</b> , 45, 384-388	1.4	37
428	Enhancement of Biased Diffusion of Dye-Doped Nanoparticles by Simultaneous Irradiation with Resonance and Nonresonance Laser Beams. <i>Japanese Journal of Applied Physics</i> , <b>2006</b> , 45, L453-L456	1.4	32
427	Explosive Crystallization of Urea Triggered by Focused Femtosecond Laser Irradiation. <i>Japanese Journal of Applied Physics</i> , <b>2006</b> , 45, L23-L26	1.4	33
426	Hyper-Rayleigh scattering and hyper-Raman scattering of dye-adsorbed silver nanoparticles induced by a focused continuous-wave near-infrared laser. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 084102	3.4	50
425	Laser nanochemistry. <i>Pure and Applied Chemistry</i> , <b>2006</b> , 78, 2205-2226	2.1	19
424	trans-cis Photoisomerization of a photoactive yellow protein model chromophore in crystalline phase. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 20085-8	3.4	13
423	Spatial Control of Urea Crystal Growth by Focused Femtosecond Laser Irradiation. <i>Crystal Growth and Design</i> , <b>2006</b> , 6, 302-305	3.5	34
422	Development of near-infrared 35 fs laser microscope and its application to the detection of three- and four-photon fluorescence of organic microcrystals. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 1091-4	2.4	16

4 <sup>21</sup>	Selective optical trapping and deposition of polymer and aromatic molecules from binary mixed solution. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 21399-402	3-4	1
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4 <sup>18</sup>	Thiocarbocyanine dye J-aggregation in optical trapping potential <b>2006</b> ,		1
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4 <sup>11</sup>	Groove-spanning behavior of lipid membranes on microfabricated silicon substrates. <i>Langmuir</i> , <b>2005</b> , 21, 6487-94	4	26
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4 <sup>06</sup>	Hyper-Rayleigh and hyper-Raman scattering from silver nanoparticles trapped by a near-infrared laser beam <b>2005</b> ,		1
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