

# Keiji Nagai

## List of Publications by Year in descending order

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246  
papers

7,094  
citations

94433

37  
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69250

77  
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251  
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251  
docs citations

251  
times ranked

5654  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multilayer White Light-Emitting Organic Electroluminescent Device. <i>Science</i> , 1995, 267, 1332-1334.	12.6	1,741
2	Fast heating scalable to laser fusion ignition. <i>Nature</i> , 2002, 418, 933-934.	27.8	445
3	Proposed Double-Layer Target for the Generation of High-Quality Laser-Accelerated Ion Beams. <i>Physical Review Letters</i> , 2002, 89, 175003.	7.8	275
4	Self-Assembly of Active IrO <sub>2</sub> Colloid Catalyst on an ITO Electrode for Efficient Electrochemical Water Oxidation. <i>Journal of Physical Chemistry B</i> , 2005, 109, 21489-21491.	2.6	177
5	Opacity Effect on Extreme Ultraviolet Radiation from Laser-Produced Tin Plasmas. <i>Physical Review Letters</i> , 2005, 95, 235004.	7.8	146
6	Colloidal Crystal Beads as Supports for Biomolecular Screening. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6835-6838.	13.8	137
7	Characterization of extreme ultraviolet emission from laser-produced spherical tin plasma generated with multiple laser beams. <i>Applied Physics Letters</i> , 2005, 86, 051501.	3.3	108
8	Targets for high repetition rate laser facilities: needs, challenges and perspectives. <i>High Power Laser Science and Engineering</i> , 2017, 5, .	4.6	106
9	An Organic Photoelectrode Working in the Water Phase: Visible-Light-Induced Dioxygen Evolution by a Perylene Derivative/Cobalt Phthalocyanine Bilayer. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2778-2781.	13.8	105
10	Preparation and photoelectrocatalytic activity of a nano-structured WO <sub>3</sub> platelet film. <i>Journal of Solid State Chemistry</i> , 2008, 181, 175-182.	2.9	103
11	Spectroscopic comparison between 1200 grooves/mm ruled and holographic gratings of a flat-field spectrometer and its absolute sensitivity calibration using bremsstrahlung continuum. <i>Review of Scientific Instruments</i> , 2007, 78, 023501.	1.3	86
12	Properties of ion debris emitted from laser-produced mass-limited tin plasmas for extreme ultraviolet light source applications. <i>Applied Physics Letters</i> , 2005, 87, 241503.	3.3	82
13	Suppression of the Rayleigh-Taylor Instability due to Self-Radiation in a Multiablation Target. <i>Physical Review Letters</i> , 2004, 92, 195001.	7.8	74
14	Optimum laser pulse duration for efficient extreme ultraviolet light generation from laser-produced tin plasmas. <i>Applied Physics Letters</i> , 2006, 89, 151501.	3.3	65
15	Low-density tin targets for efficient extreme ultraviolet light emission from laser-produced plasmas. <i>Applied Physics Letters</i> , 2006, 88, 161501.	3.3	63
16	Investigation of Ru(bpy) <sub>3</sub> <sup>2+</sup> /Nafion® film coated on electrodes studied using in situ spectroscopic voltammetry and photoluminescence. <i>Journal of Electroanalytical Chemistry</i> , 1993, 348, 189-199.	3.8	62
17	Spirulina-Templated Metal Microcoils with Controlled Helical Structures for THz Electromagnetic Responses. <i>Scientific Reports</i> , 2014, 4, 4919.	3.3	61
18	Basic and integrated studies for fast ignition. <i>Physics of Plasmas</i> , 2003, 10, 1925-1930.	1.9	58

#	ARTICLE	IF	CITATIONS
19	Molecular Hydrogen Evolution by Organic p/n Bilayer Film of Phthalocyanine/Fullerene in the Entire Visible-Light Energy Region. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7701-7705.	3.1	56
20	Charge transfer and molecular distribution of Ru(bpy) <sub>2</sub> + <sub>3</sub> complex dispersed in a Nafion® membrane as studied by in-situ spectroelectrochemistry. <i>Journal of Electroanalytical Chemistry</i> , 1995, 383, 61-66.	3.8	53
21	Hugoniot measurement of diamond under laser shock compression up to 2TPa. <i>Physics of Plasmas</i> , 2006, 13, 052705.	1.9	53
22	Effect of Amino Acid Residue Model on the Photoinduced Long-Distance Electron Transfer from the Excited Ru(bpy) <sub>3</sub> <sup>2+</sup> to Methylviologen in a Polymer Film. <i>The Journal of Physical Chemistry</i> , 1995, 99, 6648-6651.	2.9	51
23	A review of low density porous materials used in laser plasma experiments. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	51
24	Optimum Hot Electron Production with Low-Density Foams for Laser Fusion by Fast Ignition. <i>Physical Review Letters</i> , 2006, 96, 255006.	7.8	50
25	Charge transfer distance between tris(2,2'-bipyridine) ruthenium(II) redox centers incorporated in Nafion® membrane. <i>Journal of Electroanalytical Chemistry</i> , 1995, 394, 169-175.	3.8	46
26	Detailed space-resolved characterization of a laser-plasma soft-x-ray source at 135-nm wavelength with tin and its oxides. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2000, 17, 1616.	2.1	45
27	Plasma physics and laser development for the Fast-Ignition Realization Experiment (FIREX) Project. <i>Nuclear Fusion</i> , 2009, 49, 104024.	3.5	45
28	Uniformly Colorized Beads for Multiplex Immunoassay. <i>Chemistry of Materials</i> , 2006, 18, 2443-2449.	6.7	43
29	A Novel and Efficient System of a Visible-Light-Responsive Organic Photoelectrocatalyst Working in a Water Phase. <i>ChemPhysChem</i> , 2004, 5, 716-720.	2.1	42
30	Ion generation in a low-density plastic foam by interaction with intense femtosecond laser pulses. <i>Physical Review E</i> , 2004, 69, 026401.	2.1	42
31	Recent experiments on the hydrodynamics of laser-produced plasmas conducted at the PALS laboratory. <i>Laser and Particle Beams</i> , 2007, 25, 127-141.	1.0	42
32	Study of the factors affecting the photoelectrode characteristics of a perylene/phthalocyanine bilayer working in the water phase. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 1562.	2.8	42
33	Efficient production of a collimated MeV proton beam from a polyimide target driven by an intense femtosecond laser pulse. <i>Physics of Plasmas</i> , 2008, 15, .	1.9	42
34	Characterization of extreme ultraviolet emission using the fourth harmonic of a Nd:YAG laser. <i>Applied Physics Letters</i> , 2005, 86, 181107.	3.3	41
35	Measurements of fast electron scaling generated by petawatt laser systems. <i>Physics of Plasmas</i> , 2009, 16, .	1.9	40
36	Molecular distribution of photoluminescent Ru(bpy) <sub>3</sub> <sup>2+</sup> dispersed in a polymer film and its distance-dependent concentration quenching. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1994, 84, 271-277.	3.9	38

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37	Spectroscopic study of debris mitigation with minimum-mass Sn laser plasma for extreme ultraviolet lithography. <i>Applied Physics Letters</i> , 2006, 88, 171503.	3.3	38
38	Decomposition of hydrazine by an organic fullerene-phthalocyanine bilayer photocatalysis system over the entire visible-light region. <i>Chemical Communications</i> , 2014, 50, 1950.	4.1	37
39	Fast plasma heating in a cone-attached geometry towards fusion ignition. <i>Nuclear Fusion</i> , 2004, 44, S276-S283.	3.5	36
40	A soft-hard-tunable molecule-based magnet via photo-induced spin-flopping transition in a MnTeOPP-TCNE charge transfer salt. <i>Solid State Communications</i> , 1997, 102, 809-812.	1.9	34
41	Equation-of-state measurements of polyimide at pressures up to 5.8 TPa using low-density foam with laser-driven shock waves. <i>Physical Review E</i> , 2003, 67, 056406.	2.1	34
42	Foam materials for cryogenic targets of fast ignition realization experiment (FIREX). <i>Nuclear Fusion</i> , 2005, 45, 1277-1283.	3.5	34
43	Photoelectrochemical and Photocatalytic Properties of Biphasic Organic p- and n-Type Semiconductor Nanoparticles Fabricated by a Reprecipitation Process. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 1902-1909.	8.0	34
44	Recent Developments in the Use of Heterogeneous Semiconductor Photocatalyst Based Materials for a Visible-Light-Induced Water-Splitting System—A Brief Review. <i>Catalysts</i> , 2021, 11, 160.	3.5	34
45	Monochromatic imaging and angular distribution measurements of extreme ultraviolet light from laser-produced Sn and SnO <sub>2</sub> plasmas. <i>Applied Physics Letters</i> , 2004, 85, 1919-1921.	3.3	33
46	Preparation of Low-Density Macrocellular Tin Dioxide Foam with Variable Window Size. <i>Chemistry of Materials</i> , 2005, 17, 1115-1122.	6.7	33
47	A Full-Spectrum Visible-Light-Responsive Organophotocatalyst Film for Removal of Trimethylamine. <i>ChemSusChem</i> , 2011, 4, 727-730.	6.8	33
48	Titanium dioxide nanofiber-cotton targets for efficient multi-keV x-ray generation. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	32
49	Fabrication of aerogel capsule, bromine-doped capsule, and modified gold cone in modified target for the Fast Ignition Realization Experiment (FIREX) Project. <i>Nuclear Fusion</i> , 2009, 49, 095028.	3.5	32
50	Enhanced Catalytic Activity of Gold Nanoparticles Doped in a Mesoporous Organic Gel Based on Polymeric Phloroglucinol Carboxylic Acid-Formaldehyde. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 1860-1864.	8.0	32
51	Direct Observation of Faceted Grain Growth of Hexagonal Cylinder Domains in a Side Chain Liquid Crystalline Block Copolymer Matrix. <i>Macromolecules</i> , 2013, 46, 9013-9020.	4.8	32
52	Solvent removal during curing process of highly spheric and monodispersed-sized polystyrene capsules from density-matched emulsions composed of water and benzene/1,2-dichloroethane. <i>Journal of Polymer Science Part A</i> , 2000, 38, 3412-3418.	2.3	31
53	Drastic Photoluminescence Quenching of Perylene Derivative Membrane with Phthalocyanine Coating. <i>Chemistry Letters</i> , 2001, 30, 354-355.	1.3	31
54	Focus optimization of relativistic self-focusing for anomalous laser penetration into overdense plasmas (super-penetration). <i>Plasma Physics and Controlled Fusion</i> , 2008, 50, 105011.	2.1	31

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55	Indirect-direct hybrid target experiments with the GEKKO XII laser. Nuclear Fusion, 2000, 40, 547-556.	3.5	30
56	Hugoniot data of plastic foams obtained from laser-driven shocks. Physical Review E, 2006, 73, 047401.	2.1	30
57	Suppression of Rayleigh-Taylor instability due to radiative ablation in brominated plastic targets. Physics of Plasmas, 2004, 11, 2814-2822.	1.9	29
58	Weak visible light ( $\sim 14\text{mW/cm}^2$ ) organophotocatalysis for mineralization of amine, thiol and aldehyde by biphasic cobalt phthalocyanine/fullerene nanocomposites prepared by wet process. Applied Catalysis B: Environmental, 2016, 193, 240-247.	20.2	29
59	Electronic structure and magnetic properties of the half-metallic ferrimagnet $\text{Mn}_2\text{Mg}$ by soft x-ray spectroscopies. Physical Review B, 2018, 97, .	2.2	29
60	Photocatalytic decomposition of N-methyl-2-pyrrolidone, aldehydes, and thiol by biphasic and p/n junction-like organic semiconductor composite nanoparticles responsive to nearly full spectrum of visible light. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 244, 18-23.	3.9	28
61	Present status of fast ignition realization experiment and inertial fusion energy development. Nuclear Fusion, 2013, 53, 104021.	3.5	27
62	Novel characteristics at a fullerene/water interface in an organic bilayer photoelectrode of phthalocyanine/fullerene. Electrochemistry Communications, 2005, 7, 1129-1132.	4.7	26
63	Angular distribution control of extreme ultraviolet radiation from laser-produced plasma by manipulating the nanostructure of low-density SnO <sub>2</sub> targets. Applied Physics Letters, 2006, 88, 094102.	3.3	26
64	A water splitting system using an organo-photocathode and titanium dioxide photoanode capable of bias-free H <sub>2</sub> and O <sub>2</sub> evolution. Chemical Communications, 2016, 52, 7735-7737.	4.1	26
65	Photo-reflection and laser-ablation properties of phthalocyanine/perylene derivative bilayer. Synthetic Metals, 2001, 121, 1445-1446.	3.9	25
66	Control of Micro- and Nano-Structure in Ultralow-Density Hydrocarbon Foam. Fusion Science and Technology, 2004, 45, 79-83.	1.1	25
67	Fabrication, Injection, and Tracking of Fast Ignition Targets: Status and Future Prospects. Fusion Science and Technology, 2006, 49, 483-499.	1.1	25
68	Wide visible light-induced dioxygen evolution at an organic photoanode coated with a noble metal oxide catalyst. Journal of Electroanalytical Chemistry, 2006, 587, 127-132.	3.8	25
69	Study of ultraintense laser propagation in overdense plasmas for fast ignition. Physics of Plasmas, 2009, 16, 056307.	1.9	25
70	Equation-of-state measurements for polystyrene at multi-TPa pressures in laser direct-drive experiments. Physics of Plasmas, 2005, 12, 124503.	1.9	24
71	Uniform laser ablation via photovoltaic effect of phthalocyanine/perylene derivative. Applied Surface Science, 2002, 197-198, 808-813.	6.1	23
72	Novel photofunctions of bilayer composed of p-type phthalocyanine and n-type organic semiconductor as photoelectrodes in the water phase. Organic Electronics, 2007, 8, 262-271.	2.6	23

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73	Neutral Debris Mitigation in Laser Produced Extreme Ultraviolet Light Source by the Use of Minimum-Mass Tin Target. Applied Physics Express, 2008, 1, 056001.	2.4	23
74	Organophotocatalysis system of p/n bilayers for wide visible-light-induced molecular hydrogen evolution. RSC Advances, 2012, 2, 7992.	3.6	23
75	Microstructures of Ultralow-Density Foam Plastics Obtained by Altering the Coagulant Alcohol. Japanese Journal of Applied Physics, 2002, 41, L431-L433.	1.5	22
76	Update for the Drag Force on an Injected Pellet and Target Fabrication for Inertial Fusion. Fusion Science and Technology, 2003, 43, 339-345.	1.1	22
77	Present Status of Fast Ignition Research and Prospects of FIREX Project. Fusion Science and Technology, 2005, 47, 662-666.	1.1	22
78	Electrochemical Fabrication of Low Density Metal Foam with Mono-Dispersed-Sized Micro- and Submicro-Meter Pore. Fusion Science and Technology, 2006, 49, 686-690.	1.1	22
79	SnO <sub>2</sub> target with controllable microstructure and thickness for generating extreme ultraviolet light. Journal of Applied Physics, 2006, 100, 016104.	2.5	22
80	Factors contributing to degradation of organic photovoltaic cells. Organic Electronics, 2020, 76, 105448.	2.6	22
81	Characterization of heat-wave propagation through laser-driven Ti-doped underdense plasma. High Energy Density Physics, 2010, 6, 89-94.	1.5	21
82	Efficient organo-photocatalysis system of an n-type perylene derivative/p-type cobalt phthalocyanine bilayer for the production of molecular hydrogen from hydrazine. RSC Advances, 2015, 5, 46325-46329.	3.6	21
83	Blast-wave-sphere interaction using a laser-produced plasma: An experiment motivated by supernova 1987A. Physical Review E, 2001, 64, 047402.	2.1	20
84	Low-Density-Plastic-Foam Capsule of Resorcinol/Formalin and (Phloroglucinolcarboxylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (A Japanese Journal of Applied Physics, 2006, 45, L335-L338.	1.5	20
85	An efficient oxidation at photofunctional interface of phthalocyanine in combination with fullerene. Journal of Electroanalytical Chemistry, 2007, 599, 65-71.	3.8	20
86	Characterization of out-of-band radiation and plasma parameters in laser-produced Sn plasmas for extreme ultraviolet lithography light sources. Journal of Applied Physics, 2008, 104, .	2.5	20
87	Planar shock wave generated by uniform irradiation from two overlapped partially coherent laser beams. Journal of Applied Physics, 2001, 89, 2571-2575.	2.5	19
88	Progress and perspectives of fast ignition. Plasma Physics and Controlled Fusion, 2004, 46, B41-B49.	2.1	18
89	Dynamic imaging of 13.5 nm extreme ultraviolet emission from laser-produced Sn plasmas. Applied Physics Letters, 2005, 87, 241502.	3.3	18
90	Electrochemical oxidation of ammonia by multi-wall-carbon-nanotube-supported Pt shell-Ir core nanoparticles synthesized by an improved Cu short circuit deposition method. Journal of Electroanalytical Chemistry, 2016, 762, 29-36.	3.8	18

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91	Photoluminescence of a new water-insoluble polysiloxane film containing pendant Ru(bpy) <sub>3</sub> and its quenching by dioxygen. <i>Macromolecular Chemistry and Physics</i> , 1996, 197, 2983-2999.	2.2	17
92	Time and space-resolved measurement of a gas-puff laser-plasma x-ray source. <i>Physics of Plasmas</i> , 2003, 10, 227-233.	1.9	17
93	Resorcinol-Formalin Foam Balls Via Gelation of Emulsion Using Phase-Transfer Catalysts. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 2171-2176.	2.2	17
94	Efficient p-zinc phthalocyanine/n-fullerene organic bilayer electrode for molecular hydrogen evolution induced by the full visible-light energy. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 9165-9170.	7.1	17
95	Novel photocatalytic material of organic p-n bilayer responsive to near-infrared energy. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 514-518.	20.2	17
96	Cool-down performance of the apparatus for the cryogenic target of the FIREX project. <i>Fusion Engineering and Design</i> , 2006, 81, 1647-1652.	1.9	16
97	Thin shell aerogel fabrication for FIREX-I targets using high viscosity (phloroglucinol carboxylic) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.0	16
98	Fabrication of Highly Spherical Millimeter-Sized Poly(amic acid) Capsules by Removing Non-Volatile Solvent. <i>Macromolecular Rapid Communications</i> , 2001, 22, 1344-1347.	3.9	15
99	Experimental technique for launching miniature flying plates using laser pulses. <i>International Journal of Impact Engineering</i> , 2003, 29, 497-502.	5.0	15
100	Laser Machining of RF Foam by Second Harmonics of Nd:YAG Laser. <i>Fusion Science and Technology</i> , 2007, 51, 677-681.	1.1	15
101	Enhanced Photoanodic Output at an Organic p/n Bilayer in the Water Phase by Means of the Formation of Whiskered Phthalocyanine. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 1248-1253.	8.0	15
102	Multilayerization of Organophotocatalyst Films that Efficiently Utilize Natural Sunlight in a One-Pass-Flow Water Purification System. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 1033-1039.	6.7	15
103	Laboratory simulation of the collision of supernova 1987A with its circumstellar ring nebula. <i>Plasma Physics Reports</i> , 2001, 27, 843-851.	0.9	14
104	Fast heating of super-solid density plasmas towards laser fusion ignition. <i>Plasma Physics and Controlled Fusion</i> , 2002, 44, B109-B119.	2.1	14
105	Rayleigh-Taylor instability growth on low-density foam targets. <i>Physics of Plasmas</i> , 2008, 15, .	1.9	14
106	Organic Photoanode of Fullerene/Phthalocyanine Working in the Water Phase with Respect to Preparation Methods of the Bilayer Film. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 015101.	1.5	14
107	Thermal responsive microlens arrays. <i>Applied Physics Letters</i> , 2006, 89, 111121.	3.3	13
108	Photocathode Kinetics of Phthalocyanine/Fullerene with Respect to the Base Electrode for the Bilayer Coating. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 021503.	1.5	13

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109	Efficient energy absorption of intense ps-laser pulse into nanowire target. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	13
110	Concentration quenching of photoluminescent Ru(bpy) <sub>3</sub> dispersed in a polysiloxane film containing 2,2'-bipyridine pendant groups in dependence of molecular distribution. <i>Macromolecular Chemistry and Physics</i> , 1995, 196, 1241-1250.	2.2	12
111	Issues in capsule fabrication and injection into a wet-walled IFE reactor. <i>Fusion Engineering and Design</i> , 2001, 55, 387-396.	1.9	12
112	Target Fabrication Technology and New Functional Materials for Laser Fusion and Laser-Plasma Experiment. <i>Journal of Plasma and Fusion Research</i> , 2004, 80, 626-639.	0.4	12
113	Advanced laser-produced EUV light source for HVM with conversion efficiency of 5-7% and B-field mitigation of ions. <i>Proceedings of SPIE</i> , 2008, , .	0.8	12
114	Half-metallicity of the ferrimagnet $Mn_2VAl$ revealed by resonant inelastic soft x-ray scattering in a magnetic field. <i>Physical Review B</i> , 2019, 99, .	3.2	12
115	Charge transfer from donor to photoexcited Ru(bpy) <sub>3</sub> <sup>2+</sup> in solution and polymer matrix. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1995, 92, 47-51.	3.9	11
116	Single Molecular Membrane Glue Technique for Laser Driven Shock Experiments. <i>Japanese Journal of Applied Physics</i> , 2002, 41, L1184-L1186.	1.5	11
117	Intelligent Target Materials to Control Laser Ablation. <i>Fusion Science and Technology</i> , 2002, 41, 257-260.	1.1	11
118	Activities on target fabrication and injection toward laser fusion energy in Japan. <i>Fusion Engineering and Design</i> , 2002, 63-64, 587-596.	1.9	11
119	Novel photocathodic characteristics of organic bilayer composed of a phthalocyanine and a perylene derivative in a water phase containing a redox molecule. <i>Journal of Electroanalytical Chemistry</i> , 2005, 583, 327-332.	3.8	11
120	Optimization of Gelation to Prepare Hollow Foam Shell of Resorcinol-Formalin Using a Phase-Transfer Catalyst. <i>Fusion Science and Technology</i> , 2006, 49, 663-668.	1.1	11
121	Development of Double-Structure Heavy-Element Impurity Pellet for Active Spectroscopy of High-Temperature Plasmas. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 3667-3669.	1.5	11
122	Recent results and future prospects of laser fusion research at ILE, Osaka. <i>European Physical Journal D</i> , 2007, 44, 259-264.	1.3	11
123	Velocity Profile Measurement of Lead-Lithium Flows by High-Temperature Ultrasonic Doppler Velocimetry. <i>Fusion Science and Technology</i> , 2011, 60, 506-510.	1.1	11
124	Relationship between the morphology of poly(3-hexylthiophene)/methanofullerene composite and its photoelectrode characteristics in the water phase. <i>Chemical Physics Letters</i> , 2012, 549, 77-81.	2.6	11
125	Surface-enhanced Raman Scattering (SERS) Effect of Hexagonally Arranged Gold Nanoparticle Array with 29-nm Particles and 23-nm Gaps Using Liquid-crystalline Block-copolymer Template. <i>Chemistry Letters</i> , 2013, 42, 71-73.	1.3	11
126	Chemically directed self-assembly of perpendicularly aligned cylinders by a liquid crystalline block copolymer. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2837-2847.	5.5	11



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127	Microwave-Assisted Synthesis of Dendritic Viologen-Arranged Molecules with an $\alpha$ -Mercaptoalkyl Group and Their Self-Assembled Monolayers Complexed with Various Anions. <i>Macromolecules</i> , 2015, 48, 8090-8097.	4.8	11
128	A dual-functional organic $\pi$ - $n$ bilayer catalyst comprising a perylene derivative and cobalt phthalocyanine working under illumination and in the dark. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7445-7450.	10.3	10
129	Characterization of Extreme UV Radiation from Laser Produced Spherical Tin Plasmas for Use in Lithography. <i>Journal of Plasma and Fusion Research</i> , 2004, 80, 325-330.	0.4	10
130	Grain size of a hard molecule-based-magnet of manganese porphyrin-tetracyanoethylene charge transfer salt. <i>Thin Solid Films</i> , 1998, 331, 165-169.	1.8	9
131	Properties of EUV and particle generations from laser-irradiated solid- and low-density tin targets. , 2005, , .		9
132	Energy spectra and charge states of debris emitted from laser-produced minimum mass tin plasmas. , 2006, 6151, 1051.		9
133	Photoelectrode characteristics of an organic bilayer in water phase containing a redox molecule. <i>Journal of Solid State Electrochemistry</i> , 2006, 11, 303-309.	2.5	9
134	Dry Tin Dioxide Hollow Microshells and Extreme Ultraviolet Radiation Induced by $\text{CO}_2$ Laser Illumination. <i>Langmuir</i> , 2008, 24, 10402-10406.	3.5	9
135	Nano-structured lithium-tin plane fabrication for laser produced plasma and extreme ultraviolet generation. <i>Laser and Particle Beams</i> , 2008, 26, 497-501.	1.0	9
136	Generation Dependent Ultrafast Charge Separation and Recombination in a Pyrene-Viologen Family of Dendrons. <i>Journal of Physical Chemistry B</i> , 2016, 120, 4286-4295.	2.6	9
137	A visible-light-induced photoelectrochemical water-splitting system featuring an organo-photocathode along with a tungsten oxide photoanode. <i>RSC Advances</i> , 2017, 7, 34694-34698.	3.6	9
138	Magnetic properties of charge transfer complexes of manganese porphyrin derivatives and tetracyanoethylene. <i>Synthetic Metals</i> , 1997, 85, 1701-1702.	3.9	8
139	Spatial Coherence Measurement of 13.9 nm Ni-like Ag Soft X-Ray Laser Pumped by a 1.5 ps, 20 J Laser. <i>Japanese Journal of Applied Physics</i> , 2003, 42, 443-448.	1.5	8
140	Conical Gradient Junctions of Dendritic Viologen Arrays on Electrodes. <i>Scientific Reports</i> , 2015, 5, 11122.	3.3	8
141	A Water-Splitting System with a Cobalt (II,III) Oxide Co-Catalyst-Loaded Bismuth Vanadate Photoanode Along with an Organo-Photocathode. <i>ChemElectroChem</i> , 2020, 7, 5029-5035.	3.4	8
142	Preparation and photoluminescence characteristics of polysiloxane pendant tris(2,2'-bipyridine)ruthenium (II) complex. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1992, 59, 257-266.	0.6	7
143	Strong Magnetocrystalline Anisotropy in MnTPP-TCNE Charge Transfer Complex. <i>Chemistry Letters</i> , 1996, 25, 591-592.	1.3	7
144	Fabrication of Photo-Encoded Beads for Bioanalysis. <i>Journal of Nanoscience and Nanotechnology</i> , 2005, 5, 1821-1825.	0.9	7

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145	Photoelectrode characteristics of a perylene/phthalocyanine bilayer film in acetonitrile. <i>Dyes and Pigments</i> , 2008, 77, 437-440.	3.7	7
146	Fine Structures of Laser-Driven Punched-Out Tin Fuels Observed with Extreme Ultraviolet Backlight Imaging. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 293-296.	1.5	7
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