Keiji Nagai

List of Publications by Year
in descending order

246	7,094	94433	69250
papers	citations	37 h-index	77 g-index

251	251	251	5654
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fabrication of disk-shaped, deuterated resorcinol/formaldehyde foam target for laserâ€“plasma experiments. High Power Laser Science and Engineering, 2021, 9, .	4.6	2
2	Recent Developments in the Use of Heterogeneous Semiconductor Photocatalyst Based Materials for a Visible-Light-Induced Water-Splitting Systemâ€”A Brief Review. Catalysts, 2021, 11, 160.	3.5	34
3	Effect of indium pre-flow on wavelength shift and crystal structure of deep green light emitting diodes. Optical Materials Express, 2021, 11, 926.	3.0	4
4	Micro-optics for ultra-intense lasers. AIP Advances, 2021, 11, 035214.	1.3	4
5	Detecting halfmetallic electronic structures of spintronic materials in a magnetic field. Scientific Reports, 2021, 11, 18654.	3.3	3
6	Creation of intense quantum beam via interaction of ultra-intense laser light with porous structure materials. Denki Kagaku, 2021, 89, 353-358.	0.0	0
7	Factors contributing to degradation of organic photovoltaic cells. Organic Electronics, 2020, 76, 105448.	2.6	22
8	Easy-handling minimum mass laser target scaffold based on sub-millimeter air bubble -An example of laser plasma extreme ultraviolet generation-. Scientific Reports, 2020, 10, 5906.	3.3	3
9	A Waterâ€Splitting System with a Cobalt (II,III) Oxide Coâ€Catalystâ€Loaded Bismuth Vanadate Photoanode Along with an Organoâ€Photocathode. ChemElectroChem, 2020, 7, 5029-5035.	3.4	8
10	Visible Light Photocatalyst Prepared from Active Organic Photovoltaic Cell. ECS Meeting Abstracts, 2020, MA2020-02, 3050-3050.	0.0	0
11	Galliumâ€“tin alloys as a low melting point liquid metal for repetition-pulse-laser-induced high energy density state toward compact pulse EUV sources. RSC Advances, 2019, 9, 13927-13932.	3.6	4
12	Half-metallicity of the ferrimagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">M</mml:mi><mml:msub><mml:mi mathvariant="normal">n</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>VAl</mml:mi></mml:mrow></mml:math> revealed by resonant inelastic soft x-ray scattering in a magnetic field. Physical Review B, 2019, 99, .	3.2	12
13	High performance photoanodic catalyst prepared from an active organic photovoltaic cell â€“ high potential gain from visible light. Chemical Communications, 2019, 55, 12491-12494.	4.1	6
14	Electronic structure and magnetic properties of the half-metallic ferrimagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mn</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>Sn</mml:mi></mml:mrow></mml:math> by soft x-ray spectroscopies. Physical Review B, 2018, 97, .	3.2	29
15	A review of low density porous materials used in laser plasma experiments. Physics of Plasmas, 2018, 25, .	1.9	51
16	Electrochemically Synthesized Tin/Lithium Alloy To Convert Laser Light to Extreme Ultraviolet Light. ACS Omega, 2018, 3, 12422-12427.	3.5	3
17	Photoelectrochemical and photocatalytic investigation of the oxidative formation of H2 from a borane-ammonia complex using an organic p-n bilayer comprising a p-type cobalt phthalocyanine and an n-type perylene derivative. Journal of Electroanalytical Chemistry, 2018, 823, 322-327.	3.8	6
18	Enhanced oxidation power in photoelectrocatalysis based on a micrometer-localized positive potential in a terrace hetero pâ€“n junction. NPG Asia Materials, 2018, 10, 630-641.	7.9	7

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19	Study of Co-deposition Photoelectrode of Perylene Derivative and Phthalocyanine in Comparison with Its Bilayer Focusing on Charge Transfer Complex and Kinetic Analysis. Electrochemistry, 2018, 86, 235-242.	1.4	2
20	Novel photocatalytic material of organic pâ€“n bilayer responsive to near-infrared energy. Applied Catalysis B: Environmental, 2017, 205, 514-518.	20.2	17
21	High-space resolution imaging plate analysis of extreme ultraviolet (EUV) light from tin laser-produced plasmas. Review of Scientific Instruments, 2017, 88, 033506.	1.3	6
22	A dual-functional organic pâ€“n bilayer catalyst comprising a perylene derivative and cobalt phthalocyanine working under illumination and in the dark. Journal of Materials Chemistry A, 2017, 5, 7445-7450.	10.3	10
23	A visible-light-induced photoelectrochemical water-splitting system featuring an organo-photocathode along with a tungsten oxide photoanode. RSC Advances, 2017, 7, 34694-34698.	3.6	9
24	Targets for high repetition rate laser facilities: needs, challenges and perspectives. High Power Laser Science and Engineering, 2017, 5, .	4.6	106
25	A water splitting system using an organo-photocathode and titanium dioxide photoanode capable of bias-free H₂ and O₂ evolution. Chemical Communications, 2016, 52, 7735-7737.	4.1	26
26	Weak visible light (â^¼mW/cm2) 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
27	Efficient energy absorption of intense ps-laser pulse into nanowire target. Physics of Plasmas, 2016, 23, .	1.9	13
28	Amphiphilic liquidâ€crystalline 4â€miktoarm star copolymers with a siloxane junction leading to cylindrically nanostructured templates for a siloxaneâ€based nanodot array. Journal of Polymer Science Part A, 2016, 54, 1175-1188.	2.3	4
29	Generation Dependent Ultrafast Charge Separation and Recombination in a Pyrene-Viologen Family of Dendrons. Journal of Physical Chemistry B, 2016, 120, 4286-4295.	2.6	9
30	Electrochemical oxidation of ammonia by multi-wall-carbon-nanotube-supported Pt shellâ€“Ir core nanoparticles synthesized by an improved Cu short circuit deposition method. Journal of Electroanalytical Chemistry, 2016, 762, 29-36.	3.8	18
31	Efficient p-zinc phthalocyanine/n-fullerene organic bilayer electrode for molecular hydrogen evolution induced by the full visible-light energy. International Journal of Hydrogen Energy, 2015, 40, 9165-9170.	7.1	17
32	Conical Gradient Junctions of Dendritic Viologen Arrays on Electrodes. Scientific Reports, 2015, 5, 11122.	3.3	8
33	Chemically directed self-assembly of perpendicularly aligned cylinders by a liquid crystalline block copolymer. Journal of Materials Chemistry C, 2015, 3, 2837-2847.	5.5	11
34	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
35	Microwave-Assisted Synthesis of Dendritic Viologen-Arranged Molecules with an Ï‰-Mercaptoalkyl Group and Their Self-Assembled Monolayers Complexed with Various Anions. Macromolecules, 2015, 48, 8090-8097.	4.8	11
36	Decomposition of hydrazine by an organic fullereneâ€“phthalocyanine pâ€“n bilayer photocatalysis system over the entire visible-light region. Chemical Communications, 2014, 50, 1950.	4.1	37

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37	Spirulina-Templated Metal Microcoils with Controlled Helical Structures for THz Electromagnetic Responses. Scientific Reports, 2014, 4, 4919.	3.3	61
38	Direct Observation of Faceted Grain Growth of Hexagonal Cylinder Domains in a Side Chain Liquid Crystalline Block Copolymer Matrix. Macromolecules, 2013, 46, 9013-9020.	4.8	32
39	Enhanced Photoanodic Output at an Organic p/n Bilayer in the Water Phase by Means of the Formation of Whiskered Phthalocyanine. ACS Applied Materials & Interfaces, 2013, 5, 1248-1253.	8.0	15
40	Present status of fast ignition realization experiment and inertial fusion energy development. Nuclear Fusion, 2013, 53, 104021.	3.5	27
41	Multilayerization of Organophotocatalyst Films that Efficiently Utilize Natural Sunlight in a One-Pass-Flow Water Purification System. ACS Sustainable Chemistry and Engineering, 2013, 1, 1033-1039.	6.7	15
42	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. Chemistry Letters, 2013, 42, 71-73.	1.3	11
43	Hexagonally Arranged Nanopore Film Fabricated via Selective Etching by 172-nm Vacuum Ultraviolet Light Irradiation. Fusion Science and Technology, 2013, 63, 257-264.	1.1	1
44	Full-Spectrum-Visible-Light Photocatalyst Based on the Active Layer of Organic Solar Cell^|^mdash;Towards Water Splitting and Volatile Molecule Degradation^|^mdash;. Kobunshi Ronbunshu, 2013, 70, 459-475.	0.2	4
45	Hexagonally Arrayed 17 nm Interpenetrating and Continuous Biphasic Structure via Block-Copolymer-Templating Process. Japanese Journal of Applied Physics, 2012, 51, 076704.	1.5	0
46	Relationship between the morphology of poly(3-hexylthiophene)/methanofullerene composite and its photoelectrode characteristics in the water phase. Chemical Physics Letters, 2012, 549, 77-81.	2.6	11
47	Organophotocatalysis system of p/n bilayers for wide visible-light-induced molecular hydrogen evolution. RSC Advances, 2012, 2, 7992.	3.6	23
48	Photocatalytic decomposition of N-methyl-2-pyrrolidone, aldehydes, and thiol by biphase 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
49	Site-Selective Self-Assembly of Fullerene Nanoparticles on Amphiphilic Block Copolymer Thin Film from Water Suspension. Japanese Journal of Applied Physics, 2012, 51, 070201.	1.5	2
50	Photoelectrode Characteristics of Partially Hydrolyzed Aluminum Phthalocyanine Chloride/Fullerene C60 Composite Nanoparticles Working in a Water Phase. Molecules, 2012, 17, 10801-10815.	3.8	5
51	Evaluation of photoanodic output on carbon cluster/phthalocyanine films with respect to the types of n-type conductors employed. Journal of Materials Science, 2012, 47, 1071-1076.	3.7	4
52	Site-Selective Self-Assembly of Fullerene Nanoparticles on Amphiphilic Block Copolymer Thin Film from Water Suspension. Japanese Journal of Applied Physics, 2012, 51, 070201.	1.5	4
53	Hexagonally Arrayed 17 nm Interpenetrating and Continuous Biphasic Structure via Block-Copolymer-Templating Process. Japanese Journal of Applied Physics, 2012, 51, 076704.	1.5	4
54	Perpendicularly Oriented SiO₂ Nanopillar Array on SiO₂ Adhesive Layer. Transactions of the Materials Research Society of Japan, 2012, 37, 421-424.	0.2	0

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55	Molecular Hydrogen Evolution by Organic p/n Bilayer Film of Phthalocyanine/Fullerene in the Entire Visible-Light Energy Region. Journal of Physical Chemistry C, 2011, 115, 7701-7705.	3.1	56
56	Photoelectrochemical and Photocatalytic Properties of Biphasic Organic p- and n-Type Semiconductor Nanoparticles Fabricated by a Reprecipitation Process. ACS Applied Materials & Interfaces, 2011, 3, 1902-1909.	8.0	34
57	Organic Semiconductor Nanoparticles with Heterojunctions Composed of Fullerene C₆₀ and Zinc Phthalocyanine and Their Application to Visible-Light-Responsive Photocatalysts. Transactions of the Materials Research Society of Japan, 2011, 36, 177-181.	0.2	1
58	Monolithic and Low-Density (<50 mg/cm³) Metal Oxides Fabricated Using Electrospinning: Vanadium Oxide and Copper Oxide Examples. Fusion Science and Technology, 2011, 59, 216-220.	1.1	5
59	Recent Developments in Fabrication of New Conceptual Gold Cone and Machining of Polystyrene Shell for Fast Ignition Target. Fusion Science and Technology, 2011, 59, 276-278.	1.1	4
60	Velocity Profile Measurement of Lead-Lithium Flows by High-Temperature Ultrasonic Doppler Velocimetry. Fusion Science and Technology, 2011, 60, 506-510.	1.1	11
61	A Fullâ€Spectrum Visibleâ€Lightâ€Responsive Organophotocatalyst Film for Removal of Trimethylamine. ChemSusChem, 2011, 4, 727-730.	6.8	33
62	Effect of Nd:YAG Laser Energy on Multilayer Hollow Nanofiber Target's Extreme Ultraviolet Conversion Efficiency. Journal of Macromolecular Science - Physics, 2011, 50, 1761-1770.	1.0	1
63	Laser machining for fabrication of targets used in the FIREX-I project. Journal of Physics: Conference Series, 2010, 244, 032038.	0.4	2
64	Measurement of fast electrons spectra generated by interaction between solid target and peta watt laser. Journal of Physics: Conference Series, 2010, 244, 022067.	0.4	1
65	High-speed monochromatic x-ray imager for electron temperature mapping of fast igniter plasmas. Journal of Physics: Conference Series, 2010, 244, 032060.	0.4	0
66	Study on possible fuel layering sequence for FIREX target. Journal of Physics: Conference Series, 2010, 244, 032039.	0.4	4
67	Present status and future prospect of Fast Ignition Realization Experiment (FIREX) Project at ILE, Osaka. , 2010, , .		1
68	Study of photoanode kinetics at metal-free phthalocyanine in an organic p/n bilayer with respect to the pH conditions employed. Solid State Sciences, 2010, 12, 1136-1139.	3.2	7
69	Characterization of heat-wave propagation through laser-driven Ti-doped underdense plasma. High Energy Density Physics, 2010, 6, 89-94.	1.5	21
70	Fabrication of the hollow SnO2 nanoparticles contained spheres as extreme ultraviolet (EUV) target. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 358, 88-92.	4.7	3
71	Organic Photoanode of Fullerene/Phthalocyanine Working in the Water Phase with Respect to Preparation Methods of the Bilayer Film. Japanese Journal of Applied Physics, 2010, 49, 015101.	1.5	14
72	Laser-produced plasmas as unique x-ray souces for industry and astrophysics. Journal of Physics: Conference Series, 2010, 244, 012001.	0.4	4

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73	Photocathode Kinetics of Phthalocyanine/Fullerene with Respect to the Base Electrode for the Bilayer Coating. Japanese Journal of Applied Physics, 2009, 48, 021503.	1.5	13
74	Plasma physics and laser development for the Fast-Ignition Realization Experiment (FIREX) Project. Nuclear Fusion, 2009, 49, 104024.	3.5	45
75	Fabrication of aerogel capsule, bromine-doped capsule, and modified gold cone in modified target for the Fast Ignition Realization Experiment (FIREX) Project. Nuclear Fusion, 2009, 49, 095028.	3.5	32
76	Oriented and lowâ€density tin dioxide film by solâ€“gel mineralizing tinâ€contained hydroxypropyl cellulose lyotropic liquid crystal for laserâ€induced extreme ultraviolet emission. Journal of Polymer Science Part A, 2009, 47, 4566-4576.	2.3	7
77	Enhanced Catalytic Activity of Gold Nanoparticles Doped in a Mesoporous Organic Gel Based on Polymeric Phloroglucinol Carboxylic Acidâ^'Formaldehyde. ACS Applied Materials & Interfaces, 2009, 1, 1860-1864.	8.0	32
78	Study of ultraintense laser propagation in overdense plasmas for fast ignition. Physics of Plasmas, 2009, 16, 056307.	1.9	25
79	Measurements of fast electron scaling generated by petawatt laser systems. Physics of Plasmas, 2009, 16, .	1.9	40
80	Temperature Control in a Cryogenic Target with a Conical Laser Guide for Fuel Layering. Fusion Science and Technology, 2009, 56, 427-431.	1.1	2
81	Smooth Membrane Formation on Resorcinol-Formaldehyde Aerogel Balls Gelated Using a Basic Phase-Transfer Catalyst. Fusion Science and Technology, 2009, 55, 465-471.	1.1	5
82	Advanced Target Design for the FIREX-I Project. Plasma and Fusion Research, 2009, 4, S1001-S1001.	0.7	1
83	Manufacturing and Leak Check of Shell Targets for the FIREX-I Project. Plasma and Fusion Research, 2009, 4, S1010-S1010.	0.7	4
84	Tin-Doped Resorcinol-Formaldehyde Aerogel with Decanano-Cell Structure. Plasma and Fusion Research, 2009, 4, S1011-S1011.	0.7	2
85	Review on Recent High Intensity Physics Experiments Relevant to X-Ray and Quantum Beam Generation at JAEA. Springer Proceedings in Physics, 2009, , 33-42.	0.2	0
86	Environmental Cleaning by Molecular Photocatalysts. Springer Series in Materials Science, 2009, , 263-297.	0.6	1
87	A Proposed Procedure for Temperature Control of the Cryogenic Target for the FIREX Project. Plasma and Fusion Research, 2009, 4, S1007-S1007.	0.7	0
88	Preparation and photoelectrocatalytic activity of a nano-structured WO3 platelet film. Journal of Solid State Chemistry, 2008, 181, 175-182.	2.9	103
89	Photoelectrode characteristics of a perylene/phthalocyanine bilayer film in acetonitrile. Dyes and Pigments, 2008, 77, 437-440.	3.7	7
90	Titanium dioxide nanofiber-cotton targets for efficient multi-keV x-ray generation. Applied Physics Letters, 2008, 93, .	3.3	32

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91	Dry Tin Dioxide Hollow Microshells and Extreme Ultraviolet Radiation Induced by CO₂ Laser Illumination. Langmuir, 2008, 24, 10402-10406.	3.5	9
92	Study of the factors affecting the photoelectrode characteristics of a perylene/phthalocyanine bilayer working in the water phase. Physical Chemistry Chemical Physics, 2008, 10, 1562.	2.8	42
93	Rayleighâ€"Taylor instability growth on low-density foam targets. Physics of Plasmas, 2008, 15, .	1.9	14
94	Study on a fuel layering sequence of the foam target for the FIREX project. Journal of Physics: Conference Series, 2008, 112, 032067.	0.4	3
95	Femtosecond laser driven high-flux highly collimated MeV-proton beam. AIP Conference Proceedings, 2008, , .	0.4	0
96	Focus optimization of relativistic self-focusing for anomalous laser penetration into overdense plasmas (super-penetration). Plasma Physics and Controlled Fusion, 2008, 50, 105011.	2.1	31
97	Thin shell aerogel fabrication for FIREX-I targets using high viscosity (phloroglucinol carboxylic) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.0	16
98	Nano-structured lithium-tin plane fabrication for laser produced plasma and extreme ultraviolet generation. Laser and Particle Beams, 2008, 26, 497-501.	1.0	9
99	Fine Structures of Laser-Driven Punched-Out Tin Fuels Observed with Extreme Ultraviolet Backlight Imaging. Japanese Journal of Applied Physics, 2008, 47, 293-296.	1.5	7
100	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
101	Efficient production of a collimated MeV proton beam from a polyimide target driven by an intense femtosecond laser pulse. Physics of Plasmas, 2008, 15, .	1.9	42
102	A new method to prepare minimum-mass tin EUV targets. Journal of Physics: Conference Series, 2008, 112, 032065.	0.4	2
103	Fabrication and characterization of planar cryogenic targets for GEKKO-XII. Journal of Physics: Conference Series, 2008, 112, 032068.	0.4	0
104	Solution viscosity adjustable phloroglucinolcarboxylic acid/formaldehyde applied in extremely thin shell fusion target fabrication. Journal of Physics: Conference Series, 2008, 112, 032069.	0.4	0
105	Advanced laser-produced EUV light source for HVM with conversion efficiency of 5-7% and B-field mitigation of ions. Proceedings of SPIE, 2008, , .	0.8	12
106	Low density targets for laser-produced-plasma (LPP) extreme ultraviolet light source with high-CE and toward high-repletion supply. , 2008, , .		0
107	Supersonic heat wave propagation in laser-produced underdense plasma for efficient x-ray generation. Journal of Physics: Conference Series, 2008, 112, 022076.	0.4	5
108	Experimental investigation of aerosol formation in laser fusion reactor chamber by discharge method. Journal of Physics: Conference Series, 2008, 112, 032040.	0.4	1

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109	Developments of characterization of the foam shell target for fast ignition realization experiment-I (FIREX-I). Journal of Physics: Conference Series, 2008, 112, 032066.	0.4	3
110	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
111	Extreme Ultraviolet (EUV) Radiation from Punched-Out Target. The Review of Laser Engineering, 2008, 36, 736-741.	0.0	0
112	Theoretical and Experimental Databases for High Average Power EUV Light Source by Laser Produced Plasma. AIP Conference Proceedings, 2007, , .	0.4	0
113	Development of Double-Structure Heavy-Element Impurity Pellet for Active Spectroscopy of High-Temperature Plasmas. Japanese Journal of Applied Physics, 2007, 46, 3667-3669.	1.5	11
114	Spectroscopic comparison between 1200groovesâˆ•mm ruled and holographic gratings of a flat-field spectrometer and its absolute sensitivity calibration using bremsstrahlung continuum. Review of Scientific Instruments, 2007, 78, 023501.	1.3	86
115	EUV light source by high power laser. , 2007, , .		0
116	Recent experiments on the hydrodynamics of laser-produced plasmas conducted at the PALS laboratory. Laser and Particle Beams, 2007, 25, 127-141.	1.0	42
117	Foam Structure of Xerogel Prepared Via Ring-Opening Reaction Between Epoxy Groups Attached on the Side Chain of Polystyrene. Fusion Science and Technology, 2007, 51, 665-672.	1.1	4
118	Preliminary Results of Fuel Layering on the Cryogenic Target for the FIREX Project. Fusion Science and Technology, 2007, 51, 753-757.	1.1	4
119	Development of â€œPunching-Out Targetâ€•to Generate Extreme Ultraviolet (EUV) Light. Fusion Science and Technology, 2007, 51, 769-771.	1.1	2
120	Laser Machining of RF Foam by Second Harmonics of Nd:YAG Laser. Fusion Science and Technology, 2007, 51, 677-681.	1.1	15
121	Encapsulation of Low Density Materials for the First Stage of Fast Ignition Realization Experiment (FIREX-I) - Control of Microstructure and Gelation Process using a Phase-Transfer Catalyst and Tailored Polymers. , 2007, , .		0
122	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
123	Recent results and future prospects of laser fusion research at ILE, Osaka. European Physical Journal D, 2007, 44, 259-264.	1.3	11
124	An efficient oxidation at photofunctional interface of phthalocyanine in combination with fullerene. Journal of Electroanalytical Chemistry, 2007, 599, 65-71.	3.8	20
125	Monochromatic X-Ray Sampling Imager for Laser-Imploded Core Plasma Observation with Highly Spatial, Temporal, and Spectral Resolutions. Plasma and Fusion Research, 2007, 2, S1017-S1017.	0.7	1
126	Optimum Hot Electron Production with Low-Density Foams for Laser Fusion by Fast Ignition. Physical Review Letters, 2006, 96, 255006.	7.8	50

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127	Optimum laser pulse duration for efficient extreme ultraviolet light generation from laser-produced tin plasmas. Applied Physics Letters, 2006, 89, 151501.	3.3	65
128	Uniformly Colorized Beads for Multiplex Immunoassay. Chemistry of Materials, 2006, 18, 2443-2449.	6.7	43
129	Hugoniot data of plastic foams obtained from laser-driven shocks. Physical Review E, 2006, 73, 047401.	2.1	30
130	Laser-driven flyer impact experiments at the LULI 2000 laserÂfacility. European Physical Journal Special Topics, 2006, 133, 1101-1105.	0.2	6
131	Progress in LPP EUV source development at Osaka University. , 2006, , .		1
132	Fabrication, Injection, and Tracking of Fast Ignition Targets: Status and Future Prospects. Fusion Science and Technology, 2006, 49, 483-499.	1.1	25
133	Optimization of Gelation to Prepare Hollow Foam Shell of Resorcinol-Formalin Using a Phase-Transfer Catalyst. Fusion Science and Technology, 2006, 49, 663-668.	1.1	11
134	Polystyrene Based Foam Materials for Cryogenic Targets of Fast Ignition Realization Experiment (FIREX). Fusion Science and Technology, 2006, 49, 695-700.	1.1	6
135	Tin-Polymer Composite on a Rotating Drum as a High Repetition Rate Laser Target for Extreme Ultraviolet Generation. Fusion Science and Technology, 2006, 49, 691-694.	1.1	6
136	Energy spectra and charge states of debris emitted from laser-produced minimum mass tin plasmas. , 2006, 6151, 1051.		9
137	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
138	Cool-down performance of the apparatus for the cryogenic target of the FIREX project. Fusion Engineering and Design, 2006, 81, 1647-1652.	1.9	16
139	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
140	Polymorphic tin dioxide synthesis via solâ€“gel mineralization of ethylâ€“cyanoethyl cellulose lyotropic liquid crystals. Colloid and Polymer Science, 2006, 284, 429-434.	2.1	6
141	Photoelectrode characteristics of an organic bilayer in water phase containing a redox molecule. Journal of Solid State Electrochemistry, 2006, 11, 303-309.	2.5	9
142	An Organic Photoelectrode Working in the Water Phase: Visible-Light-Induced Dioxygen Evolution by a Perylene Derivative/Cobalt Phthalocyanine Bilayer. Angewandte Chemie - International Edition, 2006, 45, 2778-2781.	13.8	105
143	Colloidal Crystal Beads as Supports for Biomolecular Screening. Angewandte Chemie - International Edition, 2006, 45, 6835-6838.	13.8	137
144	Fabrication of Low-Density Solid Xenon as Laser-Produced Plasma Extreme Ultraviolet Source. Japanese Journal of Applied Physics, 2006, 45, L884-L886.	1.5	2

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145	Low-Density-Plastic-Foam Capsule of Resorcinol/Formalin and (Phloroglucinolcarboxylic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 7 Japanese Journal of Applied Physics, 2006, 45, L335-L338.	1.5	20
146	Extreme Ultraviolet Emission from Laser-Irradiated Low-Density Xe Targets. Japanese Journal of Applied Physics, 2006, 45, 5951-5953.	1.5	3
147	Equations of state data of plastic foams obtained from laser driven shocks at PALS (Prague Asterix) Tj ETQq1 1 0.784314 rgBT /Overlock	0.4	0
148	Equation of State of Diamond under Shock Compression up to 2 TPa. AIP Conference Proceedings, 2006, , .	0.4	1
149	Low-density tin targets for efficient extreme ultraviolet light emission from laser-produced plasmas. Applied Physics Letters, 2006, 88, 161501.	3.3	63
150	Spectroscopic study of debris mitigation with minimum-mass Sn laser plasma for extreme ultraviolet lithography. Applied Physics Letters, 2006, 88, 171503.	3.3	38
151	SnO2 target with controllable microstructure and thickness for generating extreme ultraviolet light. Journal of Applied Physics, 2006, 100, 016104.	2.5	22
152	Angular distribution control of extreme ultraviolet radiation from laser-produced plasma by manipulating the nanostructure of low-density SnO2 targets. Applied Physics Letters, 2006, 88, 094102.	3.3	26
153	Thermal responsive microlens arrays. Applied Physics Letters, 2006, 89, 111121.	3.3	13
154	Hugoniot measurement of diamond under laser shock compression up to 2TPa. Physics of Plasmas, 2006, 13, 052705.	1.9	53
155	EUV and particle generations from laser-irradiated solid-ÂandÂlow-density targets. European Physical Journal Special Topics, 2006, 133, 1189-1192.	0.2	1
156	Recent results and future prospects of laser fusion research at ILE, Osaka. European Physical Journal Special Topics, 2006, 133, 27-28.	0.2	1
157	Development of EUV light source by laser-produced plasma. European Physical Journal Special Topics, 2006, 133, 1161-1165.	0.2	1
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