

Wenjun

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.

64
papers

2,757
citations

26
h-index

52
g-index

66
ext. papers

3,015
ext. citations

6.2
avg, IF

4.36
L-index

#	Paper	IF	Citations
64	Commissioning experiment of the high-contrast SILEX-II multi-petawatt laser facility. <i>Matter and Radiation at Extremes</i> , 2021 , 6, 064401	4.7	1
63	Characterization and performance of the Apollon short-focal-area facility following its commissioning at 1 PW level. <i>Matter and Radiation at Extremes</i> , 2021 , 6, 064402	4.7	6
62	Cascaded generation of isolated sub-10 attosecond half-cycle pulses. <i>New Journal of Physics</i> , 2021 , 23, 053003	2.9	5
61	Super-Heavy Ions Acceleration Driven by Ultrashort Laser Pulses at Ultrahigh Intensity. <i>Physical Review X</i> , 2021 , 11,	9.1	7
60	Influence factors of resolution in laser accelerated proton radiography and image deblurring. <i>AIP Advances</i> , 2021 , 11, 085316	1.5	3
59	Proton beams from intense laser-solid interaction: Effects of the target materials. <i>Matter and Radiation at Extremes</i> , 2020 , 5, 064402	4.7	6
58	Target fabrication for laser-ion acceleration research at the Technological Laboratory of the LMU Munich. <i>Matter and Radiation at Extremes</i> , 2019 , 4, 035201	4.7	6
57	Detection and analysis of laser driven proton beams by calibrated Gafchromic HD-V2 and MD-V3 radiochromic films. <i>Review of Scientific Instruments</i> , 2019 , 90, 033306	1.7	13
56	Generation of bright E-ray/hard x-ray flash with intense femtosecond pulses and double-layer targets. <i>Physics of Plasmas</i> , 2019 , 26, 033109	2.1	3
55	Laser Acceleration of Highly Energetic Carbon Ions Using a Double-Layer Target Composed of Slightly Underdense Plasma and Ultrathin Foil. <i>Physical Review Letters</i> , 2019 , 122, 014803	7.4	44
54	Enhanced proton acceleration from an ultrathin target irradiated by laser pulses with plateau ASE. <i>Scientific Reports</i> , 2018 , 8, 2536	4.9	10
53	Enhanced laser proton acceleration by target ablation on a femtosecond laser system. <i>Physics of Plasmas</i> , 2018 , 25, 063109	2.1	11
52	The generation of collimated E-ray pulse from the interaction between 10 PW laser and a narrow tube target. <i>Applied Physics Letters</i> , 2018 , 112, 204103	3.4	15
51	An analytical reconstruction model of the spread-out Bragg peak using laser-accelerated proton beams. <i>Physics in Medicine and Biology</i> , 2017 , 62, 5200-5212	3.8	4
50	Beam Line Design of Compact Laser Plasma Accelerator. <i>Chinese Physics Letters</i> , 2017 , 34, 054101	1.8	7
49	An automated, 0.5 Hz nano-foil target positioning system for intense laser plasma experiments. <i>High Power Laser Science and Engineering</i> , 2017 , 5,	4.3	15
48	Stable radiation pressure acceleration of ions by suppressing transverse Rayleigh-Taylor instability with multiple Gaussian pulses. <i>Physics of Plasmas</i> , 2016 , 23, 083109	2.1	5

47	Using Target Ablation for Ion Beam Quality Improvement. <i>Chinese Physics Letters</i> , 2016 , 33, 035202	1.8	2
46	Ion wave breaking acceleration. <i>Physical Review Accelerators and Beams</i> , 2016 , 19,	1.8	8
45	Ion Acceleration Using Relativistic Pulse Shaping in Near-Critical-Density Plasmas. <i>Physical Review Letters</i> , 2015 , 115, 064801	7.4	136
44	Dependence of laser-driven coherent synchrotron emission efficiency on pulse ellipticity and implications for polarization gating. <i>Physical Review Letters</i> , 2014 , 112, 123902	7.4	36
43	Laser-driven three-stage heavy-ion acceleration from relativistic laser-plasma interaction. <i>Physical Review E</i> , 2014 , 89, 013107	2.4	11
42	Bright subcycle extreme ultraviolet bursts from a single dense relativistic electron sheet. <i>Physical Review Letters</i> , 2014 , 113, 235002	7.4	18
41	On the small divergence of laser-driven ion beams from nanometer thick foils. <i>Physics of Plasmas</i> , 2013 , 20, 073113	2.1	14
40	Low-Temperature, Directly Depositing Individual Single-Walled Carbon Nanotubes for Fabrication of Suspended Nanotube Devices. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 16256-16262	3.8	2
39	Efficient and stable proton acceleration by irradiating a two-layer target with a linearly polarized laser pulse. <i>Physics of Plasmas</i> , 2013 , 20, 013101	2.1	27
38	A repeated halving approach to fabricate ultrathin single-walled carbon nanotube films for transparent supercapacitors. <i>Small</i> , 2013 , 9, 518-24	11	86
37	High-Strength Laminated Copper Matrix Nanocomposites Developed from a Single-Walled Carbon Nanotube Film with Continuous Reticulate Architecture. <i>Advanced Functional Materials</i> , 2012 , 22, 5209-5215	15.6	37
36	A laser-driven nanosecond proton source for radiobiological studies. <i>Applied Physics Letters</i> , 2012 , 101, 243701	3.4	75
35	Compact-designed supercapacitors using free-standing single-walled carbon nanotube films. <i>Energy and Environmental Science</i> , 2011 , 4, 1440	35.4	287
34	Superfast-response and ultrahigh-power-density electromechanical actuators based on hierarchical carbon nanotube electrodes and chitosan. <i>Nano Letters</i> , 2011 , 11, 4636-41	11.5	127
33	Preparation of self-supporting diamond-like carbon nanofoils with thickness less than 5nm for laser-driven ion acceleration. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 655, 53-56	1.2	29
32	Introducing the fission/fusion reaction process: using a laser-accelerated Th beam to produce neutron-rich nuclei towards the N=126 waiting point of the r-process. <i>Applied Physics B: Lasers and Optics</i> , 2011 , 103, 471-484	1.9	35
31	Macroscopic carbon nanotube assemblies: preparation, properties, and potential applications. <i>Small</i> , 2011 , 7, 1504-20	11	258
30	High performance, freestanding and superthin carbon nanotube/epoxy nanocomposite films. <i>Nanoscale</i> , 2011 , 3, 3731-6	7.7	30

29	. <i>Acta Physica Polonica B</i> , 2011 , 42, 843	1.9	4
28	Autofocused, enhanced proton acceleration from a nanometer-scale bulged foil. <i>Physics of Plasmas</i> , 2010 , 17, 113111	2.1	4
27	Template synthesis and growth mechanism of metal nanowire/carbon nanotube heterojunctions. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 7583-6	1.3	1
26	Large third-order optical nonlinearity in directly synthesized single-walled carbon nanotube films. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 7333-5	1.3	4
25	Axial Compression of Hierarchically Structured Carbon Nanotube Fiber Embedded in Epoxy. <i>Advanced Functional Materials</i> , 2010 , 20, 3797-3803	15.6	39
24	ZnS/Zn ₂ SnO ₄ biaxial nanowire heterostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010 , 42, 1435-1440	3	7
23	Additional curvature-induced Raman splitting in carbon nanotube ring structures. <i>Physical Review B</i> , 2009 , 80,	3.3	10
22	Monitoring a micromechanical process in macroscale carbon nanotube films and fibers. <i>Advanced Materials</i> , 2009 , 21, 603-8	24	124
21	Synthesis, Structure, and Properties of Single-Walled Carbon Nanotubes. <i>Advanced Materials</i> , 2009 , 21, 4565-4583	24	110
20	Synthesis of large-scale periodic ZnO nanorod arrays and its blue-shift of UV luminescence. <i>Journal of Materials Chemistry</i> , 2009 , 19, 962-969		46
19	High-strength composite fibers: realizing true potential of carbon nanotubes in polymer matrix through continuous reticulate architecture and molecular level couplings. <i>Nano Letters</i> , 2009 , 9, 2855-61	11.5	225
18	Coulomb explosion: a novel approach to separate single-walled carbon nanotubes from their bundle. <i>Nano Letters</i> , 2009 , 9, 239-44	11.5	21
17	Surface-enhanced/normal Raman scattering studies on an isolated and individual single-walled carbon nanotube. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 1308-11	1.3	3
16	Novel resistance behavior of single-walled carbon nanotubes under large currents. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 1357-60	1.3	
15	Temperature dependence of Raman spectra in single-walled carbon nanotube rings. <i>Applied Physics Letters</i> , 2008 , 92, 121905	3.4	40
14	Highly dense and perfectly aligned single-walled carbon nanotubes fabricated by diamond wire drawing dies. <i>Nano Letters</i> , 2008 , 8, 1071-5	11.5	62
13	Highly Efficient Direct Electrodeposition of Co/Cu Alloy Nanotubes in an Anodic Alumina Template. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 2256-2261	3.8	45
12	Synthesis, characterization, photoluminescence and ferroelectric properties of PbTiO ₃ nanotube arrays. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008 , 149, 41-46	3.1	43

11	Directly synthesized strong, highly conducting, transparent single-walled carbon nanotube films. <i>Nano Letters</i> , 2007 , 7, 2307-11	11.5	307
10	Batchwise growth of silica cone patterns via self-assembly of aligned nanowires. <i>Small</i> , 2007 , 3, 444-50	11	9
9	Growth of ultrafine ZnS nanowires. <i>Nanotechnology</i> , 2007 , 18, 145607	3.4	16
8	Large photocurrent generated by a camera flash in single-walled carbon nanotubes. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 6898-6901	3	11
7	Secondary growth of small ZnO tripodlike arms on the end of nanowires. <i>Applied Physics Letters</i> , 2007 , 91, 013106	3.4	5
6	A simple route to scalable fabrication of perfectly ordered ZnO nanorod arrays. <i>Nanotechnology</i> , 2007 , 18, 405303	3.4	37
5	Large-Scale Synthesis of Rings of Bundled Single-Walled Carbon Nanotubes by Floating Chemical Vapor Deposition. <i>Advanced Materials</i> , 2006 , 18, 1817-1821	24	48
4	Efficiently producing single-walled carbon nanotube rings and investigation of their field emission properties. <i>Nanotechnology</i> , 2006 , 17, 2355-2361	3.4	14
3	Template synthesis, characterization and magnetic property of Fe nanowires-filled amorphous carbon nanotubes array. <i>Journal Physics D: Applied Physics</i> , 2006 , 39, 3939-3944	3	10
2	Structural, magnetic, and magnetoresistive properties of electrodeposited Ni ₅ Zn ₂₁ alloy nanowires. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 20158-65	3.4	9
1	Periodic ZnO nanorod arrays defined by polystyrene microsphere self-assembled monolayers. <i>Nano Letters</i> , 2006 , 6, 2375-8	11.5	123