Wenjun

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1541512/publications.pdf

Version: 2024-02-01

66 papers	3,220 citations	201385 27 h-index	149479 56 g-index
66 all docs	66 docs citations	66 times ranked	4318 citing authors

#	Article	IF	Citations
1	Directly Synthesized Strong, Highly Conducting, Transparent Single-Walled Carbon Nanotube Films. Nano Letters, 2007, 7, 2307-2311.	4.5	334
2	Compact-designed supercapacitors using free-standing single-walled carbon nanotube films. Energy and Environmental Science, 2011, 4, 1440.	15.6	310
3	Macroscopic Carbon Nanotube Assemblies: Preparation, Properties, and Potential Applications. Small, 2011, 7, 1504-1520.	5.2	291
4	High-Strength Composite Fibers: Realizing True Potential of Carbon Nanotubes in Polymer Matrix through Continuous Reticulate Architecture and Molecular Level Couplings. Nano Letters, 2009, 9, 2855-2861.	4.5	242
5	Ion Acceleration Using Relativistic Pulse Shaping in Near-Critical-Density Plasmas. Physical Review Letters, 2015, 115, 064801.	2.9	168
6	Superfast-Response and Ultrahigh-Power-Density Electromechanical Actuators Based on Hierarchal Carbon Nanotube Electrodes and Chitosan. Nano Letters, 2011, 11, 4636-4641.	4.5	142
7	Monitoring a Micromechanical Process in Macroscale Carbon Nanotube Films and Fibers. Advanced Materials, 2009, 21, 603-608.	11.1	138
8	Periodic ZnO Nanorod Arrays Defined by Polystyrene Microsphere Self-Assembled Monolayers. Nano Letters, 2006, 6, 2375-2378.	4.5	130
9	Synthesis, Structure, and Properties of Singleâ€Walled Carbon Nanotubes. Advanced Materials, 2009, 21, 4565-4583.	11.1	123
10	A Repeated Halving Approach to Fabricate Ultrathin Singleâ€Walled Carbon Nanotube Films for Transparent Supercapacitors. Small, 2013, 9, 518-524.	5.2	96
11	A laser-driven nanosecond proton source for radiobiological studies. Applied Physics Letters, 2012, 101, .	1.5	87
12	Laser Acceleration of Highly Energetic Carbon Ions Using a Double-Layer Target Composed of Slightly Underdense Plasma and Ultrathin Foil. Physical Review Letters, 2019, 122, 014803.	2.9	84
13	Highly Dense and Perfectly Aligned Single-Walled Carbon Nanotubes Fabricated by Diamond Wire Drawing Dies. Nano Letters, 2008, 8, 1071-1075.	4.5	70
14	Large-Scale Synthesis of Rings of Bundled Single-Walled Carbon Nanotubes by Floating Chemical Vapor Deposition. Advanced Materials, 2006, 18, 1817-1821.	11.1	57
15	Highly Efficient Direct Electrodeposition of Coâ"Cu Alloy Nanotubes in an Anodic Alumina Template. Journal of Physical Chemistry C, 2008, 112, 2256-2261.	1.5	52
16	Synthesis of large-scale periodic ZnO nanorod arrays and its blue-shift of UV luminescence. Journal of Materials Chemistry, 2009, 19, 962-969.	6.7	48
17	Introducing the fissionâ€"fusion reaction process: using aÂlaser-accelerated Th beam to produce neutron-rich nuclei towards the N=126 waiting point of the r-process. Applied Physics B: Lasers and Optics, 2011, 103, 471-484.	1.1	46
18	Dependence of Laser-Driven Coherent Synchrotron Emission Efficiency on Pulse Ellipticity and Implications for Polarization Gating. Physical Review Letters, 2014, 112, 123902.	2.9	45

#	Article	IF	Citations
19	Synthesis, characterization, photoluminescence and ferroelectric properties of PbTiO3 nanotube arrays. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 149, 41-46.	1.7	44
20	Temperature dependence of Raman spectra in single-walled carbon nanotube rings. Applied Physics Letters, 2008, 92, 121905.	1.5	44
21	Axial Compression of Hierarchically Structured Carbon Nanotube Fiber Embedded in Epoxy. Advanced Functional Materials, 2010, 20, 3797-3803.	7.8	43
22	A simple route to scalable fabrication of perfectly ordered ZnO nanorod arrays. Nanotechnology, 2007, 18, 405303.	1.3	42
23	Highâ€Strength Laminated Copper Matrix Nanocomposites Developed from a Singleâ€Walled Carbon Nanotube Film with Continuous Reticulate Architecture. Advanced Functional Materials, 2012, 22, 5209-5215.	7.8	40
24	Efficient and stable proton acceleration by irradiating a two-layer target with a linearly polarized laser pulse. Physics of Plasmas, 2013, 20, .	0.7	35
25	Cascaded generation of isolated sub-10 attosecond half-cycle pulses. New Journal of Physics, 2021, 23, 053003.	1.2	34
26	Preparation of self-supporting diamond-like carbon nanofoils with thickness less than 5 nm for laser-driven ion acceleration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 655, 53-56.	0.7	32
27	High performance, freestanding and superthin carbon nanotube/epoxy nanocomposite films. Nanoscale, 2011, 3, 3731.	2.8	31
28	Coulomb Explosion: A Novel Approach to Separate Single-Walled Carbon Nanotubes from Their Bundle. Nano Letters, 2009, 9, 239-244.	4.5	25
29	An automated, 0.5ÂHz nano-foil target positioning system for intense laser plasma experiments. High Power Laser Science and Engineering, 2017, 5, .	2.0	25
30	Super-Heavy Ions Acceleration Driven by Ultrashort Laser Pulses at Ultrahigh Intensity. Physical Review X, 2021, 11, .	2.8	23
31	Bright Subcycle Extreme Ultraviolet Bursts from a Single Dense Relativistic Electron Sheet. Physical Review Letters, 2014, 113, 235002.	2.9	22
32	Detection and analysis of laser driven proton beams by calibrated Gafchromic HD-V2 and MD-V3 radiochromic films. Review of Scientific Instruments, 2019, 90, 033306.	0.6	21
33	Characterization and performance of the Apollon short-focal-area facility following its commissioning at 1 PW level. Matter and Radiation at Extremes, 2021, 6, .	1.5	21
34	The generation of collimated Î³-ray pulse from the interaction between 10 PW laser and a narrow tube target. Applied Physics Letters, 2018, 112, .	1.5	19
35	Growth of ultrafine ZnS nanowires. Nanotechnology, 2007, 18, 145607.	1.3	18
36	On the small divergence of laser-driven ion beams from nanometer thick foils. Physics of Plasmas, 2013, 20, .	0.7	17

#	Article	IF	Citations
37	Efficiently producing single-walled carbon nanotube rings and investigation of their field emission properties. Nanotechnology, 2006, 17, 2355-2361.	1.3	16
38	Enhanced laser proton acceleration by target ablation on a femtosecond laser system. Physics of Plasmas, 2018, 25, 063109.	0.7	16
39	Laser-driven three-stage heavy-ion acceleration from relativistic laser-plasma interaction. Physical Review E, 2014, 89, 013107.	0.8	14
40	Large photocurrent generated by a camera flash in single-walled carbon nanotubes. Journal Physics D: Applied Physics, 2007, 40, 6898-6901.	1.3	13
41	Beam Line Design of Compact Laser Plasma Accelerator. Chinese Physics Letters, 2017, 34, 054101.	1.3	13
42	Enhanced proton acceleration from an ultrathin target irradiated by laser pulses with plateau ASE. Scientific Reports, 2018, 8, 2536.	1.6	12
43	Proton beams from intense laser-solid interaction: Effects of the target materials. Matter and Radiation at Extremes, 2020, 5, .	1.5	12
44	Ion wave breaking acceleration. Physical Review Accelerators and Beams, 2016, 19, .	0.6	12
45	Template synthesis, characterization and magnetic property of Fe nanowires-filled amorphous carbon nanotubes array. Journal Physics D: Applied Physics, 2006, 39, 3939-3944.	1.3	10
46	Batchwise Growth of Silica Cone Patterns via Self-Assembly of Aligned Nanowires. Small, 2007, 3, 444-450.	5.2	10
47	Additional curvature-induced Raman splitting in carbon nanotube ring structures. Physical Review B, 2009, 80, .	1.1	10
48	Structural, Magnetic, and Magnetoresistive Properties of Electrodeposited Ni5Zn21Alloy Nanowires. Journal of Physical Chemistry B, 2006, 110, 20158-20165.	1.2	9
49	Target fabrication for laser-ion acceleration research at the Technological Laboratory of the LMU Munich. Matter and Radiation at Extremes, 2019, 4, 035201.	1.5	9
50	ZnS/Zn2SnO4 biaxial nanowire heterostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 1435-1440.	1.3	7
51	An analytical reconstruction model of the spread-out Bragg peak using laser-accelerated proton beams. Physics in Medicine and Biology, 2017, 62, 5200-5212.	1.6	7
52	Generation of bright Î³-ray/hard x-ray flash with intense femtosecond pulses and double-layer targets. Physics of Plasmas, 2019, 26, .	0.7	7
53	Influence factors of resolution in laser accelerated proton radiography and image deblurring. AIP Advances, 2021, 11, .	0.6	6
54	Secondary growth of small ZnO tripodlike arms on the end of nanowires. Applied Physics Letters, 2007, 91, 013106.	1.5	5

#	Article	IF	Citations
55	Large Third-Order Optical Nonlinearity in Directly Synthesized Single-Walled Carbon Nanotube Films. Journal of Nanoscience and Nanotechnology, 2010, 10, 7333-7335.	0.9	5
56	Stable radiation pressure acceleration of ions by suppressing transverse Rayleigh-Taylor instability with multiple Gaussian pulses. Physics of Plasmas, 2016, 23, 083109.	0.7	5
57	Commissioning experiment of the high-contrast SILEX-â...¡ multi-petawatt laser facility. Matter and Radiation at Extremes, 2021, 6, .	1.5	5
58	Autofocused, enhanced proton acceleration from a nanometer-scale bulged foil. Physics of Plasmas, 2010, 17, .	0.7	4
59	Title is missing!. Acta Physica Polonica B, 2011, 42, 843.	0.3	4
60	Surface-Enhanced/Normal Raman Scattering Studies on an Isolated and Individual Single-Walled Carbon Nanotube. Journal of Nanoscience and Nanotechnology, 2009, 9, 1308-1311.	0.9	3
61	Low-Temperature, Directly Depositing Individual Single-Walled Carbon Nanotubes for Fabrication of Suspended Nanotube Devices. Journal of Physical Chemistry C, 2013, 117, 16256-16262.	1.5	2
62	Using Target Ablation for Ion Beam Quality Improvement. Chinese Physics Letters, 2016, 33, 035202.	1.3	2
63	Template Synthesis and Growth Mechanism of Metal Nanowire/Carbon Nanotube Heterojunctions. Journal of Nanoscience and Nanotechnology, 2010, 10, 7583-7586.	0.9	1
64	Laser Ion Acceleration: Status and Perspectives for Fusion. EPJ Web of Conferences, 2011, 17, 11001.	0.1	1
65	Fission-Fusion: A new reaction mechanism for nuclear astrophysics based on laser-ion acceleration. , 2011, , .		1
66	Novel Resistance Behavior of Single-Walled Carbon Nanotubes Under Large Currents. Journal of Nanoscience and Nanotechnology, 2009, 9, 1357-1360.	0.9	0