

Lan Jiang

List of Publications by Citations

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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.

225
papers

7,379
citations

44
h-index

78
g-index

245
ext. papers

9,027
ext. citations

7.4
avg, IF

6.19
L-index

#	Paper	IF	Citations
225	Highly compression-tolerant supercapacitor based on polypyrrole-mediated graphene foam electrodes. <i>Advanced Materials</i> , 2013 , 25, 591-5	24	676
224	Facile fabrication of light, flexible and multifunctional graphene fibers. <i>Advanced Materials</i> , 2012 , 24, 1856-61	24	464
223	Direct Power Generation from a Graphene Oxide Film under Moisture. <i>Advanced Materials</i> , 2015 , 27, 4351-7	24	256
222	Graphene fibers with predetermined deformation as moisture-triggered actuators and robots. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 10482-6	16.4	238
221	Improved Two-Temperature Model and Its Application in Ultrashort Laser Heating of Metal Films. <i>Journal of Heat Transfer</i> , 2005 , 127, 1167-1173	1.8	189
220	A capacity recoverable zinc-ion micro-supercapacitor. <i>Energy and Environmental Science</i> , 2018 , 11, 3367-3374	33.4	185
219	Highly efficient moisture-enabled electricity generation from graphene oxide frameworks. <i>Energy and Environmental Science</i> , 2016 , 9, 912-916	35.4	181
218	Electrons dynamics control by shaping femtosecond laser pulses in micro/nanofabrication: modeling, method, measurement and application. <i>Light: Science and Applications</i> , 2018 , 7, 17134	16.7	180
217	All-in-one graphene fiber supercapacitor. <i>Nanoscale</i> , 2014 , 6, 6448-51	7.7	174
216	Spontaneous reduction and assembly of graphene oxide into three-dimensional graphene network on arbitrary conductive substrates. <i>Scientific Reports</i> , 2013 , 3, 2065	4.9	140
215	Simultaneous additive and subtractive three-dimensional nanofabrication using integrated two-photon polymerization and multiphoton ablation. <i>Light: Science and Applications</i> , 2012 , 1, e6-e6	16.7	136
214	One Single Graphene Oxide Film for Responsive Actuation. <i>ACS Nano</i> , 2016 , 10, 9529-9535	16.7	115
213	Graphene microtubings: controlled fabrication and site-specific functionalization. <i>Nano Letters</i> , 2012 , 12, 5879-84	11.5	104
212	Preparation of Monolayer MoS Quantum Dots using Temporally Shaped Femtosecond Laser Ablation of Bulk MoS Targets in Water. <i>Scientific Reports</i> , 2017 , 7, 11182	4.9	99
211	Multimodal Nonlinear Optical Imaging of MoS ₂ and MoS ₂ -Based van der Waals Heterostructures. <i>ACS Nano</i> , 2016 , 10, 3766-75	16.7	97
210	Three-dimensional water evaporation on a macroporous vertically aligned graphene pillar array under one sun. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 15303-15309	13	95
209	Laser-Directed Assembly of Aligned Carbon Nanotubes in Three Dimensions for Multifunctional Device Fabrication. <i>Advanced Materials</i> , 2016 , 28, 2002-9	24	94

208	Formation of graphene sheets through laser exfoliation of highly ordered pyrolytic graphite. <i>Applied Physics Letters</i> , 2011 , 98, 173108	3.4	90
207	Self-powered wearable graphene fiber for information expression. <i>Nano Energy</i> , 2017 , 32, 329-335	17.1	88
206	Series of in-fiber graphene supercapacitors for flexible wearable devices. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2547-2551	13	86
205	Femtosecond laser fabricated all-optical fiber sensors with ultrahigh refractive index sensitivity: modeling and experiment. <i>Optics Express</i> , 2011 , 19, 17591-8	3.3	81
204	Functionalized graphitic carbon nitride for metal-free, flexible and rewritable nonvolatile memory device via direct laser-writing. <i>Scientific Reports</i> , 2014 , 4, 5882	4.9	80
203	Graphene-Based Functional Architectures: Sheets Regulation and Macrostructure Construction toward Actuators and Power Generators. <i>Accounts of Chemical Research</i> , 2017 , 50, 1663-1671	24.3	79
202	Three-dimensional graphene-polypyrrole hybrid electrochemical actuator. <i>Nanoscale</i> , 2012 , 4, 7563-8	7.7	79
201	A powerful approach to functional graphene hybrids for high performance energy-related applications. <i>Energy and Environmental Science</i> , 2014 , 7, 3699-3708	35.4	68
200	A General and Extremely Simple Remote Approach toward Graphene Bulks with In Situ Multifunctionalization. <i>Advanced Materials</i> , 2016 , 28, 3305-12	24	67
199	Integrated graphene systems by laser irradiation for advanced devices. <i>Nano Today</i> , 2017 , 12, 14-30	17.9	63
198	Repeatable nanostructures in dielectrics by femtosecond laser pulse trains. <i>Applied Physics Letters</i> , 2005 , 87, 151104	3.4	61
197	Femtosecond laser fabrication of long period fiber gratings and applications in refractive index sensing. <i>Optics and Laser Technology</i> , 2011 , 43, 1420-1423	4.2	60
196	Direct writing of graphene patterns on insulating substrates under ambient conditions. <i>Scientific Reports</i> , 2014 , 4, 4892	4.9	59
195	Spontaneous power source in ambient air of a well-directionally reduced graphene oxide bulk. <i>Energy and Environmental Science</i> , 2018 , 11, 2839-2845	35.4	58
194	Rollable, Stretchable, and Reconfigurable Graphene Hygroelectric Generators. <i>Advanced Materials</i> , 2019 , 31, e1805705	24	57
193	Mask-Free Patterning of High-Conductivity Metal Nanowires in Open Air by Spatially Modulated Femtosecond Laser Pulses. <i>Advanced Materials</i> , 2015 , 27, 6238-43	24	55
192	Modeling of ultrashort laser pulse-train processing of metal thin films. <i>International Journal of Heat and Mass Transfer</i> , 2007 , 50, 3461-3470	4.9	54
191	Flexible in-plane graphene oxide moisture-electric converter for touchless interactive panel. <i>Nano Energy</i> , 2018 , 45, 37-43	17.1	53

190	Continuous modulations of femtosecond laser-induced periodic surface structures and scanned line-widths on silicon by polarization changes. <i>Optics Express</i> , 2013 , 21, 15505-13	3.3	53
189	One-step fabrication of nanostructures by femtosecond laser for surface-enhanced Raman scattering. <i>Optics Express</i> , 2009 , 17, 21581-9	3.3	52
188	Versatile Graphene Oxide Putty-Like Material. <i>Advanced Materials</i> , 2016 , 28, 10287-10292	24	49
187	Laser-Assisted Large-Scale Fabrication of All-Solid-State Asymmetrical Micro-Supercapacitor Array. <i>Small</i> , 2018 , 14, e1801809	11	46
186	High-throughput rear-surface drilling of microchannels in glass based on electron dynamics control using femtosecond pulse trains. <i>Optics Letters</i> , 2012 , 37, 2781-3	3	46
185	A plasma model combined with an improved two-temperature equation for ultrafast laser ablation of dielectrics. <i>Journal of Applied Physics</i> , 2008 , 104, 093101	2.5	46
184	Low-adhesive superhydrophobic surface-enhanced Raman spectroscopy substrate fabricated by femtosecond laser ablation for ultratrace molecular detection. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 777-784	7.3	44
183	High-throughput microchannel fabrication in fused silica by temporally shaped femtosecond laser Bessel-beam-assisted chemical etching. <i>Optics Letters</i> , 2018 , 43, 98-101	3	44
182	Ultra-abrupt tapered fiber Mach-Zehnder interferometer sensors. <i>Sensors</i> , 2011 , 11, 5729-39	3.8	44
181	High-temperature sensor based on an abrupt-taper Michelson interferometer in single-mode fiber. <i>Applied Optics</i> , 2013 , 52, 2038-41	1.7	43
180	Shape-Controllable Gold Nanoparticle-MoS Hybrids Prepared by Tuning Edge-Active Sites and Surface Structures of MoS via Temporally Shaped Femtosecond Pulses. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7447-7455	9.5	40
179	Laser-Assisted Multiscale Fabrication of Configuration-Editable Supercapacitors with High Energy Density. <i>ACS Nano</i> , 2019 , 13, 7463-7470	16.7	39
178	Ultrafast dynamics observation during femtosecond laser-material interaction. <i>International Journal of Extreme Manufacturing</i> , 2019 , 1, 032004	7.9	39
177	A high-quality Mach-Zehnder interferometer fiber sensor by femtosecond laser one-step processing. <i>Sensors</i> , 2011 , 11, 54-61	3.8	39
176	Metal (Ag, Pt)/MoS ₂ Hybrids Greenly Prepared Through Photochemical Reduction of Femtosecond Laser Pulses for SERS and HER. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 7704-7714	8.3	38
175	Energy Transport and Nanostructuring of Dielectrics by Femtosecond Laser Pulse Trains. <i>Journal of Heat Transfer</i> , 2006 , 128, 926-933	1.8	37
174	Large-Scale Production of Flexible, High-Voltage Hydroelectric Films Based on Solid Oxides. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 30927-30935	9.5	36
173	High aspect ratio, high-quality microholes in PMMA: a comparison between femtosecond laser drilling in air and in vacuum. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 119, 61-68	2.6	35

172	Optical Field Enhancement in Au Nanoparticle-Decorated Nanorod Arrays Prepared by Femtosecond Laser and Their Tunable Surface-Enhanced Raman Scattering Applications. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 1297-1305	9.5	35
171	Laser photonic-reduction stamping for graphene-based micro-supercapacitors ultrafast fabrication. <i>Nature Communications</i> , 2020 , 11, 6185	17.4	34
170	Subwavelength ripples adjustment based on electron dynamics control by using shaped ultrafast laser pulse trains. <i>Optics Express</i> , 2012 , 20, 21505-11	3.3	33
169	Controllable Synthesis of Nanosized Amorphous MoS _x Using Temporally Shaped Femtosecond Laser for Highly Efficient Electrochemical Hydrogen Production. <i>Advanced Functional Materials</i> , 2019 , 29, 1806229	15.6	33
168	High-performance flexible solid-state supercapacitors based on MnO ₂ -decorated nanocarbon electrodes. <i>RSC Advances</i> , 2013 , 3, 20613	3.7	32
167	Pressure and Temperature Sensor Based on Graphene Diaphragm and Fiber Bragg Gratings. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 431-434	2.2	31
166	Formation mechanisms of sub-wavelength ripples during femtosecond laser pulse train processing of dielectrics. <i>Journal Physics D: Applied Physics</i> , 2012 , 45, 175301	3	31
165	Ultrafast optical response and ablation mechanisms of molybdenum disulfide under intense femtosecond laser irradiation. <i>Light: Science and Applications</i> , 2020 , 9, 80	16.7	31
164	Antiresonant mechanism based self-temperature-calibrated fiber optic Fabry-Perot gas pressure sensors. <i>Optics Express</i> , 2019 , 27, 22181-22189	3.3	30
163	A seamlessly integrated device of micro-supercapacitor and wireless charging with ultrahigh energy density and capacitance. <i>Nature Communications</i> , 2021 , 12, 2647	17.4	30
162	Anisotropic Enhancement of Second-Harmonic Generation in Monolayer and Bilayer MoS ₂ by Integrating with TiO ₂ Nanowires. <i>Nano Letters</i> , 2019 , 19, 4195-4204	11.5	29
161	A Facile Space-Confined Solid-Phase Sulfurization Strategy for Growth of High-Quality Ultrathin Molybdenum Disulfide Single Crystals. <i>Nano Letters</i> , 2018 , 18, 2021-2032	11.5	28
160	Surface micro/nanostructure evolution of AuAg alloy nanoplates: Synthesis, simulation, plasmonic photothermal and surface-enhanced Raman scattering applications. <i>Nano Research</i> , 2016 , 9, 876-885	10	26
159	High sensitivity Mach-Zehnder interferometer sensors based on concatenated ultra-abrupt tapers on thinned fibers. <i>Optics and Laser Technology</i> , 2012 , 44, 640-645	4.2	26
158	Emission enhancement of femtosecond laser-induced breakdown spectroscopy by combining nanoparticle and dual-pulse on crystal SiO ₂ . <i>Optics and Laser Technology</i> , 2017 , 93, 194-200	4.2	25
157	Enhancing charge transfer with foreign molecules through femtosecond laser induced MoS ₂ defect sites for photoluminescence control and SERS enhancement. <i>Nanoscale</i> , 2019 , 11, 485-494	7.7	25
156	Cylindrically Focused Nonablative Femtosecond Laser Processing of Long-Range Uniform Periodic Surface Structures with Tunable Diffraction Efficiency. <i>Advanced Optical Materials</i> , 2019 , 7, 1900706	8.1	25
155	Multiscale Visualization of Colloidal Particle Lens Array Mediated Plasma Dynamics for Dielectric Nanoparticle Enhanced Femtosecond Laser-Induced Breakdown Spectroscopy. <i>Analytical Chemistry</i> , 2019 , 91, 9952-9961	7.8	25

154	Femtosecond laser-induced periodic structure adjustments based on electron dynamics control: from subwavelength ripples to double-grating structures. <i>Optics Letters</i> , 2013 , 38, 3743-6	3	25
153	A new Mach-Zehnder interferometer in a thinned-cladding fiber fabricated by electric arc for high sensitivity refractive index sensing. <i>Optics and Lasers in Engineering</i> , 2012 , 50, 829-832	4.6	24
152	Femtosecond laser rapid fabrication of large-area rose-like micropatterns on freestanding flexible graphene films. <i>Scientific Reports</i> , 2015 , 5, 17557	4.9	24
151	High performance 3D CuO/Cu flowers supercapacitor electrodes by femtosecond laser enhanced electrochemical anodization. <i>Electrochimica Acta</i> , 2019 , 293, 273-282	6.7	24
150	Investigation on the Thermo-Optic Coefficient of Silica Fiber Within a Wide Temperature Range. <i>Journal of Lightwave Technology</i> , 2018 , 36, 5881-5886	4	24
149	Fiber-optic micro vibration sensors fabricated by a femtosecond laser. <i>Optics and Lasers in Engineering</i> , 2018 , 110, 207-210	4.6	24
148	High-aspect-ratio, high-quality microdrilling by electron density control using a femtosecond laser Bessel beam. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	23
147	Mechanism and elimination of bending effect in femtosecond laser deep-hole drilling. <i>Optics Express</i> , 2015 , 23, 27853-64	3.3	23
146	Fabrication of highly homogeneous and controllable nanogratings on silicon via chemical etching-assisted femtosecond laser modification. <i>Nanophotonics</i> , 2019 , 8, 869-878	6.3	22
145	Nanopillar arrays with nanoparticles fabricated by a femtosecond laser pulse train for highly sensitive SERRS. <i>Optics Letters</i> , 2015 , 40, 2045-8	3	22
144	Highly Sensitive Refractive Index Optical Fiber Sensors Fabricated by a Femtosecond Laser. <i>IEEE Photonics Journal</i> , 2011 , 3, 1189-1197	1.8	22
143	Investigations of femtosecond-nanosecond dual-beam laser ablation of dielectrics. <i>Optics Letters</i> , 2010 , 35, 2490-2	3	22
142	Fabry-Perot interferometer embedded in a glass chip fabricated by femtosecond laser. <i>Optics Letters</i> , 2009 , 34, 2408-10	3	22
141	Compact Assembly and Programmable Integration of Supercapacitors. <i>Advanced Materials</i> , 2020 , 32, e1907005	24	21
140	Cylindrical shockwave-induced compression mechanism in femtosecond laser Bessel pulse micro-drilling of PMMA. <i>Applied Physics Letters</i> , 2017 , 110, 161907	3.4	20
139	Large-Area 2D/3D MoS ₂ /MoO ₂ Heterostructures with Thermally Stable Exciton and Intriguing Electrical Transport Behaviors. <i>Advanced Electronic Materials</i> , 2017 , 3, 1600335	6.4	20
138	Fast Growth of GaN Epilayers via Laser-Assisted Metal-Organic Chemical Vapor Deposition for Ultraviolet Photodetector Applications. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 21539-21547	9.5	20
137	Manipulation of LIPSS orientation on silicon surfaces using orthogonally polarized femtosecond laser double-pulse trains. <i>Optics Express</i> , 2019 , 27, 9782-9793	3.3	20

136	Redox shuttle enhances nonthermal femtosecond two-photon self-doping of rGO/TiO ₂ photocatalysts under visible light. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 16430-16438	13	20
135	Femtosecond laser processing of fused silica and aluminum based on electron dynamics control by shaping pulse trains. <i>Applied Physics A: Materials Science and Processing</i> , 2012 , 109, 679-684	2.6	20
134	Phase change mechanisms during femtosecond laser pulse train ablation of nickel thin films. <i>Journal of Applied Physics</i> , 2009 , 106, 064906	2.5	20
133	Magnetic Fluid-Infiltrated Anti-Resonant Reflecting Optical Waveguide for Magnetic Field Sensing Based on Leaky Modes. <i>Journal of Lightwave Technology</i> , 2016 , 34, 3490-3495	4	20
132	Comparison of Silica and Sapphire Fiber SERS Probes Fabricated by a Femtosecond Laser. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 1299-1302	2.2	19
131	Pump-probe imaging of the fs-ps-ns dynamics during femtosecond laser Bessel beam drilling in PMMA. <i>Optics Express</i> , 2015 , 23, 32728-35	3.3	19
130	Femtosecond laser-induced cross-periodic structures on a crystalline silicon surface under low pulse number irradiation. <i>Applied Surface Science</i> , 2015 , 326, 216-221	6.7	18
129	First-principles electron dynamics control simulation of diamond under femtosecond laser pulse train irradiation. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 275801	1.8	18
128	Direct writing anisotropy on crystalline silicon surface by linearly polarized femtosecond laser. <i>Optics Letters</i> , 2013 , 38, 1969-71	3	18
127	Miniaturized high-performance metallic 1T-Phase MoS ₂ micro-supercapacitors fabricated by temporally shaped femtosecond pulses. <i>Nano Energy</i> , 2020 , 67, 104260	17.1	18
126	Dual-Wavelength DC Compensation Technique for the Demodulation of EFPI Fiber Sensors. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 1380-1383	2.2	17
125	Crystal orientation dependence of femtosecond laser-induced periodic surface structure on (100) silicon. <i>Optics Letters</i> , 2014 , 39, 3114-7	3	17
124	Self-organizing microstructures orientation control in femtosecond laser patterning on silicon surface. <i>Optics Express</i> , 2014 , 22, 16669-75	3.3	17
123	Etching rate enhancement by shaped femtosecond pulse train electron dynamics control for microchannels fabrication in fused silica glass. <i>Optics Letters</i> , 2013 , 38, 4613-6	3	17
122	Two-step femtosecond laser pulse train fabrication of nanostructured substrates for highly surface-enhanced Raman scattering. <i>Optics Letters</i> , 2012 , 37, 3648-50	3	17
121	Adjustable annular rings of periodic surface structures induced by spatially shaped femtosecond laser. <i>Laser Physics Letters</i> , 2015 , 12, 056001	1.5	16
120	Non-diffraction-length, tunable, Bessel-like beams generation by spatially shaping a femtosecond laser beam for high-aspect-ratio micro-hole drilling. <i>Optics Express</i> , 2018 , 26, 21960-21968	3.3	16
119	Controllable high-throughput high-quality femtosecond laser-enhanced chemical etching by temporal pulse shaping based on electron density control. <i>Scientific Reports</i> , 2015 , 5, 13202	4.9	16

118	Femtosecond double-pulse fabrication of hierarchical nanostructures based on electron dynamics control for high surface-enhanced Raman scattering. <i>Optics Letters</i> , 2013 , 38, 3558-61	3	16
117	Femtosecond Photon-Mediated Plasma Enhances Photosynthesis of Plasmonic Nanostructures and Their SERS Applications. <i>Small</i> , 2019 , 15, e1804899	11	16
116	Hybrid superhydrophilic-superhydrophobic micro/nanostructures fabricated by femtosecond laser-induced forward transfer for sub-femtomolar Raman detection. <i>Microsystems and Nanoengineering</i> , 2019 , 5, 48	7.7	15
115	A Dual-Cavity FabryPerot Interferometric Fiber-Optic Sensor for the Simultaneous Measurement of High-Temperature and High-Gas-Pressure. <i>IEEE Access</i> , 2020 , 8, 80582-80587	3.5	15
114	Femtosecond laser pulse-train induced breakdown in fused silica: the role of seed electrons. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 435105	3	15
113	Manipulation of the dielectric properties of diamond by an ultrashort laser pulse. <i>Physical Review B</i> , 2017 , 95,	3.3	15
112	Controllable Plasmonic Nanostructures induced by Dual-wavelength Femtosecond Laser Irradiation. <i>Scientific Reports</i> , 2017 , 7, 17333	4.9	15
111	Shaped femtosecond laser induced photoreduction for highly controllable Au nanoparticles based on localized field enhancement and their SERS applications. <i>Nanophotonics</i> , 2020 , 9, 691-702	6.3	14
110	Anisotropy modulations of femtosecond laser pulse induced periodic surface structures on silicon by adjusting double pulse delay. <i>Optics Express</i> , 2014 , 22, 15820-8	3.3	14
109	Temporal femtosecond pulse shaping dependence of laser-induced periodic surface structures in fused silica. <i>Journal of Applied Physics</i> , 2014 , 116, 033104	2.5	14
108	Temporal-spatial measurement of electron relaxation time in femtosecond laser induced plasma using two-color pump-probe imaging technique. <i>Applied Physics Letters</i> , 2018 , 112, 191101	3.4	14
107	Multifunctional 3D Micro-Nanostructures Fabricated through Temporally Shaped Femtosecond Laser Processing for Preventing Thrombosis and Bacterial Infection. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 17155-17166	9.5	13
106	Trench-embedding fiber taper sensor fabricated by a femtosecond laser for gas refractive index sensing. <i>Applied Optics</i> , 2014 , 53, 1028-32	1.7	13
105	Low-Temperature Growth of Crystalline Gallium Nitride Films Using Vibrational Excitation of Ammonia Molecules in Laser-Assisted Metalorganic Chemical Vapor Deposition. <i>Crystal Growth and Design</i> , 2014 , 14, 6248-6253	3.5	13
104	Femtosecond laser mediated fabrication of micro/nanostructured TiO ₂ - photoelectrodes: Hierarchical nanotubes array with oxygen vacancies and their photocatalysis properties. <i>Applied Catalysis B: Environmental</i> , 2020 , 277, 119231	21.8	12
103	Control of crystallographic orientation in diamond synthesis through laser resonant vibrational excitation of precursor molecules. <i>Scientific Reports</i> , 2014 , 4, 4581	4.9	11
102	Ablation enhancement of metal in ultrashort double-pulse experiments. <i>Applied Physics Letters</i> , 2018 , 112, 261906	3.4	11
101	Size distribution control of metal nanoparticles using femtosecond laser pulse train: a molecular dynamics simulation. <i>Applied Physics A: Materials Science and Processing</i> , 2012 , 109, 367-376	2.6	11

100	Adjustment of ablation shapes and subwavelength ripples based on electron dynamics control by designing femtosecond laser pulse trains. <i>Journal of Applied Physics</i> , 2012 , 112, 103103	2.5	11
99	Structure-Mediated Excitation of Air Plasma and Silicon Plasma Expansion in Femtosecond Laser Pulses Ablation. <i>Research</i> , 2018 , 2018, 5709748	7.8	11
98	Dual-functional CuxO/Cu electrodes for supercapacitors and non-enzymatic glucose sensors fabricated by femtosecond laser enhanced thermal oxidation. <i>Journal of Alloys and Compounds</i> , 2020 , 815, 152105	5.7	11
97	Thermally Stable and Electrically Conductive, Vertically Aligned Carbon Nanotube/Silicon Infiltrated Composite Structures for High-Temperature Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 37340-37349	9.5	10
96	Polymorph-Controlled Crystallization of Acetaminophen through Femtosecond Laser Irradiation. <i>Crystal Growth and Design</i> , 2019 , 19, 3265-3271	3.5	10
95	Nanoscale material redistribution induced by spatially modulated femtosecond laser pulses for flexible high-efficiency surface patterning. <i>Optics Express</i> , 2017 , 25, 31431-31442	3.3	10
94	Detection of trace-level uranium and samarium in glasses by combined laser-induced breakdown spectroscopy and plasma-induced fluorescence spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2015 , 30, 1128-1132	3.7	10
93	Generation and elimination of polarization-dependent ablation of cubic crystals by femtosecond laser radiation. <i>Optics Express</i> , 2014 , 22, 30170-6	3.3	10
92	Ultrafast Shaped Laser Induced Synthesis of MXene Quantum Dots/Graphene for Transparent Supercapacitors.. <i>Advanced Materials</i> , 2022 , e2110013	24	10
91	An Aqueous Anti-Freezing and Heat-Tolerant Symmetric Microsupercapacitor with 2.3V Output Voltage. <i>Advanced Energy Materials</i> , 2021 , 11, 2101523	21.8	10
90	Miniature on-fiber extrinsic Fabry-Perot interferometric vibration sensors based on micro-cantilever beam. <i>Nanotechnology Reviews</i> , 2019 , 8, 293-298	6.3	10
89	Polarization Multiplexing Terahertz Metasurfaces through Spatial Femtosecond Laser-Shaping Fabrication. <i>Advanced Optical Materials</i> , 2020 , 8, 2000136	8.1	10
88	Maskless Micro/Nanopatterning and Bipolar Electrical Rectification of MoS Flakes Through Femtosecond Laser Direct Writing. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 39334-39341	9.5	9
87	A robust fiber inline interferometer sensor based on a core-offset attenuator and a microsphere-shaped splicing junction. <i>Optics and Laser Technology</i> , 2014 , 63, 76-82	4.2	9
86	Integrative Analysis of the Core Fruit Lignification Toolbox in Pear Reveals Targets for Fruit Quality Bioengineering. <i>Biomolecules</i> , 2019 , 9,	5.9	8
85	Micro/nano processing of natural silk fibers with near-field enhanced ultrafast laser. <i>Science China Materials</i> , 2020 , 63, 1300-1309	7.1	8
84	Femtosecond laser induced concentric semi-circular periodic surface structures on silicon based on the quasi-plasmonic annular nanostructure. <i>Nanotechnology</i> , 2018 , 29, 305301	3.4	8
83	Simulation of rippled structure adjustments based on localized transient electron dynamics control by femtosecond laser pulse trains. <i>Applied Physics A: Materials Science and Processing</i> , 2013 , 111, 813-819	3.6	8

82	Direct observation of structure-assisted filament splitting during ultrafast multiple-pulse laser ablation. <i>Optics Express</i> , 2019 , 27, 10050-10057	3.3	8
81	Dual-scale nanoripple/nanoparticle-covered microspikes on silicon by femtosecond double pulse train irradiation in water. <i>Applied Surface Science</i> , 2017 , 410, 22-28	6.7	7
80	Asymmetric Response Optoelectronic Device Based on Femtosecond-Laser-Irradiated Perovskite. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 17070-17076	9.5	7
79	Colloid-Interface-Assisted Laser Irradiation of Nanocrystals Superlattices to be Scalable Plasmonic Superstructures with Novel Activities. <i>Small</i> , 2018 , 14, e1703501	11	7
78	Fiber Optic Dual-Ring Michelson Interferometer-Based Detection Scheme for the Measurement of Dynamic Signals. <i>Journal of Lightwave Technology</i> , 2019 , 37, 3750-3755	4	7
77	Femtosecond laser high-efficiency drilling of high-aspect-ratio microholes based on free-electron-density adjustments. <i>Applied Optics</i> , 2014 , 53, 7290-5	0.2	7
76	Nonlinear ionization mechanism dependence of energy absorption in diamond under femtosecond laser irradiation. <i>Journal of Applied Physics</i> , 2013 , 113, 143106	2.5	7
75	Femtosecond Laser Induced Phase Transformation of TiO with Exposed Reactive Facets for Improved Photoelectrochemistry Performance. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 41250-41258	9.5	7
74	Preparation of dextran-casein phosphopeptide conjugates, evaluation of its calcium binding capacity and digestion in vitro. <i>Food Chemistry</i> , 2021 , 352, 129332	8.5	7
73	Controllable Si (100) micro/nanostructures by chemical-etching-assisted femtosecond laser single-pulse irradiation. <i>Applied Physics Letters</i> , 2017 , 110, 181907	3.4	6
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