

# Yong Feng Lu

## List of Publications by Citations

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311  
papers

7,138  
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44  
h-index

66  
g-index

354  
ext. papers

8,685  
ext. citations

4.8  
avg, IF

6.14  
L-index

#	Paper	IF	Citations
311	A Self-Powered, Sub-nanosecond-Response Solution-Processed Hybrid Perovskite Photodetector for Time-Resolved Photoluminescence-Lifetime Detection. <i>Advanced Materials</i> , <b>2016</b> , 28, 10794-10800	24	230
310	(Hf <sub>0.2</sub> Zr <sub>0.2</sub> Ta <sub>0.2</sub> Nb <sub>0.2</sub> Ti <sub>0.2</sub> )C high-entropy ceramics with low thermal conductivity. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 4486-4491	3.8	223
309	Electrons dynamics control by shaping femtosecond laser pulses in micro/nanofabrication: modeling, method, measurement and application. <i>Light: Science and Applications</i> , <b>2018</b> , 7, 17134	16.7	180
308	Laser ablation of solid substrates in water and ambient air. <i>Journal of Applied Physics</i> , <b>2001</b> , 89, 2400-2403	2.5	158
307	The effects of thermal annealing on ZnO thin films grown by pulsed laser deposition. <i>Journal of Applied Physics</i> , <b>2000</b> , 88, 498-502	2.5	141
306	Simultaneous additive and subtractive three-dimensional nanofabrication using integrated two-photon polymerization and multiphoton ablation. <i>Light: Science and Applications</i> , <b>2012</b> , 1, e6-e6	16.7	136
305	Laser ablation of solid substrates in a water-confined environment. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 1396-1398	3.4	106
304	Laser Direct Writing of Ultrahigh Sensitive SiC-Based Strain Sensor Arrays on Elastomer toward Electronic Skins. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1806786	15.6	102
303	Integration of perovskite and polymer photoactive layers to produce ultrafast response, ultraviolet-to-near-infrared, sensitive photodetectors. <i>Materials Horizons</i> , <b>2017</b> , 4, 242-248	14.4	101
302	Preparation of Monolayer MoS Quantum Dots using Temporally Shaped Femtosecond Laser Ablation of Bulk MoS Targets in Water. <i>Scientific Reports</i> , <b>2017</b> , 7, 11182	4.9	99
301	Multimodal Nonlinear Optical Imaging of MoS <sub>2</sub> and MoS <sub>2</sub> -Based van der Waals Heterostructures. <i>ACS Nano</i> , <b>2016</b> , 10, 3766-75	16.7	97
300	Enhancement of optical emission from laser-induced plasmas by combined spatial and magnetic confinement. <i>Optics Express</i> , <b>2011</b> , 19, 14067-75	3.3	94
299	Fast growth of graphene patterns by laser direct writing. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 123109	3.4	94
298	Laser-Directed Assembly of Aligned Carbon Nanotubes in Three Dimensions for Multifunctional Device Fabrication. <i>Advanced Materials</i> , <b>2016</b> , 28, 2002-9	24	94
297	All-fiber ultrafast thulium-doped fiber ring laser with dissipative soliton and noise-like output in normal dispersion by single-wall carbon nanotubes. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 011103	3.4	85
296	Laser writing of a subwavelength structure on silicon (100) surfaces with particle-enhanced optical irradiation. <i>JETP Letters</i> , <b>2000</b> , 72, 457-459	1.2	84
295	Transparent, flexible, and solid-state supercapacitors based on graphene electrodes. <i>APL Materials</i> , <b>2013</b> , 1, 012101	5.7	83

294	Two-photon polymerization: investigation of chemical and mechanical properties of resins using Raman microspectroscopy. <i>Optics Letters</i> , <b>2014</b> , 39, 3034-7	3	81
293	All-fiber passively mode-locked thulium-doped fiber ring laser using optically deposited graphene saturable absorbers. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 131117	3.4	80
292	Label-free characterization of exosome via surface enhanced Raman spectroscopy for the early detection of pancreatic cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2019</b> , 16, 88-96	6	76
291	Dry laser cleaning of particles from solid substrates: Experiments and theory. <i>Journal of Applied Physics</i> , <b>2001</b> , 90, 2135-2142	2.5	70
290	Accuracy improvement of quantitative analysis by spatial confinement in laser-induced breakdown spectroscopy. <i>Optics Express</i> , <b>2013</b> , 21, 18188-95	3.3	62
289	Direct writing of graphene patterns on insulating substrates under ambient conditions. <i>Scientific Reports</i> , <b>2014</b> , 4, 4892	4.9	59
288	High-performance wearable strain sensors based on fragmented carbonized melamine sponges for human motion detection. <i>Nanoscale</i> , <b>2017</b> , 9, 17948-17956	7.7	58
287	High-sensitivity determination of cadmium and lead in rice using laser-induced breakdown spectroscopy. <i>Food Chemistry</i> , <b>2019</b> , 272, 323-328	8.5	57
286	Background removal in soil analysis using laser- induced breakdown spectroscopy combined with standard addition method. <i>Optics Express</i> , <b>2016</b> , 24, 2607-18	3.3	56
285	Sensitive determinations of Cu, Pb, Cd, and Cr elements in aqueous solutions using chemical replacement combined with surface-enhanced laser-induced breakdown spectroscopy. <i>Optics Express</i> , <b>2016</b> , 24, 13410-7	3.3	55
284	Mask-Free Patterning of High-Conductivity Metal Nanowires in Open Air by Spatially Modulated Femtosecond Laser Pulses. <i>Advanced Materials</i> , <b>2015</b> , 27, 6238-43	24	55
283	Laser-induced nano-oxidation on hydrogen-passivated Ge (100) surfaces under a scanning tunneling microscope tip. <i>Applied Physics Letters</i> , <b>1999</b> , 75, 2359-2361	3.4	54
282	Sensitivity improvement in the detection of V and Mn elements in steel using laser-induced breakdown spectroscopy with ring-magnet confinement. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2014</b> , 29, 2309-2314	3.7	53
281	Continuous modulations of femtosecond laser-induced periodic surface structures and scanned line-widths on silicon by polarization changes. <i>Optics Express</i> , <b>2013</b> , 21, 15505-13	3.3	53
280	Rainbow peacock spiders inspire miniature super-iridescent optics. <i>Nature Communications</i> , <b>2017</b> , 8, 22787.4	7.4	52
279	Optimally enhanced optical emission in laser-induced breakdown spectroscopy by combining spatial confinement and dual-pulse irradiation. <i>Optics Express</i> , <b>2012</b> , 20, 1436-43	3.3	52
278	Spectral Interference Elimination in Soil Analysis Using Laser-Induced Breakdown Spectroscopy Assisted by Laser-Induced Fluorescence. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 2334-2337	7.8	50
277	Determination of Trace Available Heavy Metals in Soil Using Laser-Induced Breakdown Spectroscopy Assisted with Phase Transformation Method. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 7080-7085	7.8	50

276	Interfacial microstructure of graphite flake reinforced aluminum matrix composites fabricated via hot pressing. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2015</b> , 73, 125-131	8.4	49
275	Irradiation damage in (Zr <sub>0.25</sub> Ta <sub>0.25</sub> Nb <sub>0.25</sub> Ti <sub>0.25</sub> )C high-entropy carbide ceramics. <i>Acta Materialia</i> , <b>2020</b> , 195, 739-749	8.4	49
274	Simultaneous determination of La, Ce, Pr, and Nd elements in aqueous solution using surface-enhanced laser-induced breakdown spectroscopy. <i>Talanta</i> , <b>2017</b> , 163, 127-131	6.2	48
273	Accuracy improvement on polymer identification using laser-induced breakdown spectroscopy with adjusting spectral weightings. <i>Optics Express</i> , <b>2014</b> , 22, 3895-901	3.3	48
272	Self-absorption reduction in laser-induced breakdown spectroscopy using laser-stimulated absorption. <i>Optics Letters</i> , <b>2015</b> , 40, 5224-6	3	47
271	Determinations of trace boron in superalloys and steels using laser-induced breakdown spectroscopy assisted with laser-induced fluorescence. <i>Optics Express</i> , <b>2016</b> , 24, 7850-7	3.3	47
270	High-throughput rear-surface drilling of microchannels in glass based on electron dynamics control using femtosecond pulse trains. <i>Optics Letters</i> , <b>2012</b> , 37, 2781-3	3	46
269	Detection of trace phosphorus in steel using laser-induced breakdown spectroscopy combined with laser-induced fluorescence. <i>Applied Optics</i> , <b>2009</b> , 48, 2551-8	0.2	45
268	Laser coloration and bleaching of amorphous WO <sub>3</sub> thin film. <i>Journal of Applied Physics</i> , <b>2000</b> , 88, 1082-1087	3.7	45
267	Low-adhesive superhydrophobic surface-enhanced Raman spectroscopy substrate fabricated by femtosecond laser ablation for ultratrace molecular detection. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 777-784	7.3	44
266	Accuracy improvement of quantitative analysis in laser-induced breakdown spectroscopy using modified wavelet transform. <i>Optics Express</i> , <b>2014</b> , 22, 10233-8	3.3	42
265	Coherent anti-Stokes Raman scattering and spontaneous Raman spectroscopy and microscopy of microalgae with nitrogen depletion. <i>Biomedical Optics Express</i> , <b>2012</b> , 3, 2896-906	3.5	42
264	Laser induced removal of spherical particles from silicon wafers. <i>Journal of Applied Physics</i> , <b>2000</b> , 87, 1534-1539	2.5	41
263	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 &amp; Interfaces</i> , <b>2017</b> , 9, 7447-7455	9.5	40
262	Determination of cobalt in low-alloy steels using laser-induced breakdown spectroscopy combined with laser-induced fluorescence. <i>Talanta</i> , <b>2016</b> , 151, 234-238	6.2	40
261	Ultrafast dynamics observation during femtosecond laser-material interaction. <i>International Journal of Extreme Manufacturing</i> , <b>2019</b> , 1, 032004	7.9	39
260	Flame-enhanced laser-induced breakdown spectroscopy. <i>Optics Express</i> , <b>2014</b> , 22, 7686-93	3.3	39
259	Analytical-performance improvement of laser-induced breakdown spectroscopy for steel using multi-spectral-line calibration with an artificial neural network. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2015</b> , 30, 1623-1628	3.7	38

258	Metal (Ag, Pt)MoS <sub>2</sub> Hybrids Greenly Prepared Through Photochemical Reduction of Femtosecond Laser Pulses for SERS and HER. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 7704-7714	8.3	38
257	Performance comparison of acrylic and thiol-acrylic resins in two-photon polymerization. <i>Optics Express</i> , <b>2016</b> , 24, 13687-701	3.3	38
256	Multielemental self-absorption reduction in laser-induced breakdown spectroscopy by using microwave-assisted excitation. <i>Optics Express</i> , <b>2018</b> , 26, 12121	3.3	38
255	Accuracy improvement of quantitative analysis for major elements in laser-induced breakdown spectroscopy using single-sample calibration. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1064, 11-16	6.6	37
254	Evaluation of sample preparation methods for rice geographic origin classification using laser-induced breakdown spectroscopy. <i>Journal of Cereal Science</i> , <b>2018</b> , 80, 111-118	3.8	37
253	Determination of Carbon Content in Steels Using Laser-Induced Breakdown Spectroscopy Assisted with Laser-Induced Radical Fluorescence. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 8134-8139	7.8	37
252	Investigation of the self-absorption effect using spatially resolved laser-induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2016</b> , 31, 961-967	3.7	36
251	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> , <b>2015</b> , 119, 61-68	2.6	35
250	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 &amp; Interfaces</i> , <b>2018</b> , 10, 1297-1305	9.5	35
249	On-stream analysis of iron ore slurry using laser-induced breakdown spectroscopy. <i>Applied Optics</i> , <b>2017</b> , 56, 9144-9149	1.7	35
248	Generation of high-temperature and low-density plasmas for improved spectral resolutions in laser-induced breakdown spectroscopy. <i>Optics Express</i> , <b>2011</b> , 19, 10997-1006	3.3	35
247	Nanostructure fabrication using pulsed lasers in combination with a scanning tunneling microscope: Mechanism investigation. <i>Applied Physics Letters</i> , <b>2000</b> , 76, 1200-1202	3.4	35
246	Quantitative analysis of phosphorus in steel using laser-induced breakdown spectroscopy in air atmosphere. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2014</b> , 29, 1432-1437	3.7	34
245	Laser-induced breakdown spectroscopy using laser pulses delivered by optical fibers for analyzing Mn and Ti elements in pig iron. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2015</b> , 30, 403-409	3.7	34
244	Acidity measurement of iron ore powders using laser-induced breakdown spectroscopy with partial least squares regression. <i>Optics Express</i> , <b>2015</b> , 23, 7795-801	3.3	33
243	Accuracy improvement of boron by molecular emission with a genetic algorithm and partial least squares regression model in laser-induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2018</b> , 33, 205-209	3.7	33
242	Investigation on self-absorption at reduced air pressure in quantitative analysis using laser-induced breakdown spectroscopy. <i>Optics Express</i> , <b>2016</b> , 24, 26521-26528	3.3	33
241	Controllable Synthesis of Nanosized Amorphous MoS <sub>x</sub> Using Temporally Shaped Femtosecond Laser for Highly Efficient Electrochemical Hydrogen Production. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1806229	15.6	33

- 240 Laser-induced breakdown spectroscopy enhanced by a micro torch. *Optics Express*, **2015**, 23, 15047-56 3.3 32
- 239 High-performance flexible solid-state supercapacitors based on MnO<sub>2</sub>-decorated nanocarbon electrodes. *RSC Advances*, **2013**, 3, 20613 3.7 32
- 238 The effect of submicron grain size on thermal stability and mechanical properties of high-entropy carbide ceramics. *Journal of the American Ceramic Society*, **2020**, 103, 4463-4472 3.8 31
- 237 Spatially selective excitation in laser-induced breakdown spectroscopy combined with laser-induced fluorescence. *Optics Express*, **2017**, 25, 4945-4951 3.3 31
- 236 Ultrafast optical response and ablation mechanisms of molybdenum disulfide under intense femtosecond laser irradiation. *Light: Science and Applications*, **2020**, 9, 80 16.7 31
- 235 In situ imaging and control of layer-by-layer femtosecond laser thinning of graphene. *Nanoscale*, **2015**, 7, 3651-9 7.7 30
- 234 Anisotropic Enhancement of Second-Harmonic Generation in Monolayer and Bilayer MoS<sub>2</sub> by Integrating with TiO<sub>2</sub> Nanowires. *Nano Letters*, **2019**, 19, 4195-4204 11.5 29
- 233 Laser-based micro/nanofabrication in one, two and three dimensions. *Frontiers of Optoelectronics*, **2015**, 8, 351-378 2.8 29
- 232 Accuracy and stability improvement for meat species identification using multiplicative scatter correction and laser-induced breakdown spectroscopy. *Optics Express*, **2018**, 26, 10119-10127 3.3 29
- 231 A review of remote laser-induced breakdown spectroscopy. *Applied Spectroscopy Reviews*, **2020**, 55, 1-25. 4.5 29
- 230 A Facile Space-Confined Solid-Phase Sulfurization Strategy for Growth of High-Quality Ultrathin Molybdenum Disulfide Single Crystals. *Nano Letters*, **2018**, 18, 2021-2032 11.5 28
- 229 Tarantula-Inspired Noniridescent Photonics with Long-Range Order. *Advanced Optical Materials*, **2017**, 5, 1600599 8.1 28
- 228 Direct Writing Target Structures by Two-Photon Polymerization. *Fusion Science and Technology*, **2016**, 70, 295-309 1.1 28
- 227 Solid-state graphene formation via a nickel carbide intermediate phase. *RSC Advances*, **2015**, 5, 99037-99043 3.7 27
- 226 Determination of trace heavy metal elements in aqueous solution using surface-enhanced laser-induced breakdown spectroscopy. *Optics Express*, **2019**, 27, 15091-15099 3.3 27
- 225 Wavelet-based interference correction for laser-induced breakdown spectroscopy. *Journal of Analytical Atomic Spectrometry*, **2017**, 32, 2401-2406 3.7 26
- 224 Deformation Behavior of Foam Laser Targets Fabricated by Two-Photon Polymerization. *Nanomaterials*, **2018**, 8, 5-4 26
- 223 Quasiparticle band structures of wurtzite and rock-salt ZnO. *Journal of Applied Physics*, **2002**, 91, 1339-1343 3.3 26



222	Electronic and optical properties of carbon nitride thin films synthesized by laser ablation under ion beam bombardment. <i>Journal of Applied Physics</i> , <b>1998</b> , 84, 2133-2137	2.5	26
221	Effect of the resin viscosity on the writing properties of two-photon polymerization. <i>Optical Materials Express</i> , <b>2019</b> , 9, 2601	2.6	26
220	Emission enhancement of femtosecond laser-induced breakdown spectroscopy by combining nanoparticle and dual-pulse on crystal SiO <sub>2</sub> . <i>Optics and Laser Technology</i> , <b>2017</b> , 93, 194-200	4.2	25
219	Enhancing charge transfer with foreign molecules through femtosecond laser induced MoS defect sites for photoluminescence control and SERS enhancement. <i>Nanoscale</i> , <b>2019</b> , 11, 485-494	7.7	25
218	Determination of boron with molecular emission using laser-induced breakdown spectroscopy combined with laser-induced radical fluorescence. <i>Optics Express</i> , <b>2018</b> , 26, 2634-2642	3.3	25
217	Cylindrically Focused Nonablative Femtosecond Laser Processing of Long-Range Uniform Periodic Surface Structures with Tunable Diffraction Efficiency. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900706	8.1	25
216	Multiscale Visualization of Colloidal Particle Lens Array Mediated Plasma Dynamics for Dielectric Nanoparticle Enhanced Femtosecond Laser-Induced Breakdown Spectroscopy. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 9952-9961	7.8	25
215	An innovative process to fabricate copper/diamond composite films for thermal management applications. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2012</b> , 43, 1746-1753	8.4	25
214	Precise assembly and joining of silver nanowires in three dimensions for highly conductive composite structures. <i>International Journal of Extreme Manufacturing</i> , <b>2019</b> , 1, 025001	7.9	24
213	In situ classification of rocks using stand-off laser-induced breakdown spectroscopy with a compact spectrometer. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2018</b> , 33, 461-467	3.7	24
212	Femtosecond laser rapid fabrication of large-area rose-like micropatterns on freestanding flexible graphene films. <i>Scientific Reports</i> , <b>2015</b> , 5, 17557	4.9	24
211	Transparent interconnections formed by rapid single-step fabrication of graphene patterns. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 053103	3.4	24
210	High performance 3D CuO/Cu flowers supercapacitor electrodes by femtosecond laser enhanced electrochemical anodization. <i>Electrochimica Acta</i> , <b>2019</b> , 293, 273-282	6.7	24
209	Quantitative analyses of Mn, V, and Si elements in steels using a portable laser-induced breakdown spectroscopy system based on a fiber laser. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2016</b> , 31, 767-772	3.7	23
208	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> , <b>2016</b> , 122, 1	2.6	23
207	Evaluation of the self-absorption reduction of minor elements in laser-induced breakdown spectroscopy assisted with laser-stimulated absorption. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2017</b> , 32, 2189-2193	3.7	23
206	Mechanism and elimination of bending effect in femtosecond laser deep-hole drilling. <i>Optics Express</i> , <b>2015</b> , 23, 27853-64	3.3	23
205	Fabrication of highly homogeneous and controllable nanogratings on silicon via chemical etching-assisted femtosecond laser modification. <i>Nanophotonics</i> , <b>2019</b> , 8, 869-878	6.3	22

204	Nanopillar arrays with nanoparticles fabricated by a femtosecond laser pulse train for highly sensitive SERRS. <i>Optics Letters</i> , <b>2015</b> , 40, 2045-8	3	22
203	Fast Growth of Diamond Crystals in Open Air by Combustion Synthesis with Resonant Laser Energy Coupling. <i>Crystal Growth and Design</i> , <b>2010</b> , 10, 1762-1766	3.5	22
202	Effect of flake powder metallurgy on thermal conductivity of graphite flakes reinforced aluminum matrix composites. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 8180-8192	4.3	21
201	Accuracy improvement of iron ore analysis using laser-induced breakdown spectroscopy with a hybrid sparse partial least squares and least-squares support vector machine model. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2018</b> , 33, 1330-1335	3.7	21
200	Cylindrical shockwave-induced compression mechanism in femtosecond laser Bessel pulse micro-drilling of PMMA. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 161907	3.4	20
199	Large-Area 2D/3D MoS <sub>2</sub> /MoO <sub>2</sub> Heterostructures with Thermally Stable Exciton and Intriguing Electrical Transport Behaviors. <i>Advanced Electronic Materials</i> , <b>2017</b> , 3, 1600335	6.4	20
198	Fast Growth of GaN Epilayers via Laser-Assisted Metal-Organic Chemical Vapor Deposition for Ultraviolet Photodetector Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 21539-21547	9.5	20
197	Manipulation of LIPSS orientation on silicon surfaces using orthogonally polarized femtosecond laser double-pulse trains. <i>Optics Express</i> , <b>2019</b> , 27, 9782-9793	3.3	20
196	Polar coupling enabled nonlinear optical filtering at MoS/ferroelectric heterointerfaces. <i>Nature Communications</i> , <b>2020</b> , 11, 1422	17.4	20
195	Redox shuttle enhances nonthermal femtosecond two-photon self-doping of rGO/iO <sub>2</sub> photocatalysts under visible light. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 16430-16438	13	20
194	Enhancing the expansion of a plasma shockwave by crater-induced laser refocusing in femtosecond laser ablation of fused silica. <i>Photonics Research</i> , <b>2017</b> , 5, 488	6	20
193	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> , <b>2012</b> , 109, 679-684	2.6	20
192	Theoretical analysis of laser-induced periodic structures at silicon-dioxide/silicon and silicon-dioxide/aluminum interfaces. <i>Applied Physics Letters</i> , <b>1997</b> , 71, 3439-3440	3.4	20
191	Copper-Carbon and Aluminum-Carbon Composites Fabricated by Powder Metallurgy Processes. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 525, 012015	0.3	19
190	Pump-probe imaging of the fs-ps-ns dynamics during femtosecond laser Bessel beam drilling in PMMA. <i>Optics Express</i> , <b>2015</b> , 23, 32728-35	3.3	19
189	One-point and multi-line calibration method in laser-induced breakdown spectroscopy. <i>Optics Express</i> , <b>2018</b> , 26, 22926-22933	3.3	18
188	Direct writing anisotropy on crystalline silicon surface by linearly polarized femtosecond laser. <i>Optics Letters</i> , <b>2013</b> , 38, 1969-71	3	18
187	Laser plasma interaction at an early stage of laser ablation. <i>Journal of Applied Physics</i> , <b>1999</b> , 85, 2899-2903	3	18



186	Electric signal detection at the early stage of laser ablation in air. <i>Journal of Applied Physics</i> , <b>1999</b> , 86, 2812-2817	2.5	18
185	Laser-induced breakdown spectroscopy assisted chemometric methods for rice geographic origin classification. <i>Applied Optics</i> , <b>2018</b> , 57, 8297-8302	1.7	18
184	Ultraviolet laser photolysis of hydrocarbons for nondiamond carbon suppression in chemical vapor deposition of diamond films. <i>Light: Science and Applications</i> , <b>2018</b> , 7, 17177	16.7	18
183	Fabrication of metal/semiconductor nanocomposites by selective laser nano-welding. <i>Nanoscale</i> , <b>2017</b> , 9, 7012-7015	7.7	17
182	Self-organizing microstructures orientation control in femtosecond laser patterning on silicon surface. <i>Optics Express</i> , <b>2014</b> , 22, 16669-75	3.3	17
181	Etching rate enhancement by shaped femtosecond pulse train electron dynamics control for microchannels fabrication in fused silica glass. <i>Optics Letters</i> , <b>2013</b> , 38, 4613-6	3	17
180	Investigation on self-absorption reduction in laser-induced breakdown spectroscopy assisted with spatially selective laser-stimulated absorption. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2018</b> , 33, 1683-1688	3.7	16
179	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> , <b>2018</b> , 26, 21960-21968	3.3	16
178	One-step selective formation of silver nanoparticles on atomic layered MoS <sub>2</sub> by laser-induced defect engineering and photoreduction. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 8883-8892	7.1	16
177	Controllable high-throughput high-quality femtosecond laser-enhanced chemical etching by temporal pulse shaping based on electron density control. <i>Scientific Reports</i> , <b>2015</b> , 5, 13202	4.9	16
176	Femtosecond double-pulse fabrication of hierarchical nanostructures based on electron dynamics control for high surface-enhanced Raman scattering. <i>Optics Letters</i> , <b>2013</b> , 38, 3558-61	3	16
175	Electrical characterization of rapid thermal annealed radio frequency sputtered silicon oxide films. <i>Journal of Applied Physics</i> , <b>1996</b> , 80, 5837-5842	2.5	16
174	Laser-induced breakdown spectroscopy of liquid solutions: a comparative study on the forms of liquid surface and liquid aerosol. <i>Applied Optics</i> , <b>2016</b> , 55, 7406-11	0.2	16
173	Femtosecond Photon-Mediated Plasma Enhances Photosynthesis of Plasmonic Nanostructures and Their SERS Applications. <i>Small</i> , <b>2019</b> , 15, e1804899	11	16
172	Controlled defect creation and removal in graphene and MoS monolayers. <i>Nanoscale</i> , <b>2017</b> , 9, 8997-9008	7.7	15
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