

Chunlei Guo

List of Publications by Year in descending order

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358
papers

10,778
citations

44069

48
h-index

45317

90
g-index

376
all docs

376
docs citations

376
times ranked

8028
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct femtosecond laser surface nano/microstructuring and its applications. <i>Laser and Photonics Reviews</i> , 2013, 7, 385-407.	8.7	858
2	Colorizing metals with femtosecond laser pulses. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	491
3	AlGaN photonics: recent advances in materials and ultraviolet devices. <i>Advances in Optics and Photonics</i> , 2018, 10, 43.	25.5	442
4	Multifunctional surfaces produced by femtosecond laser pulses. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	360
5	Periodic ordering of random surface nanostructures induced by femtosecond laser pulses on metals. <i>Journal of Applied Physics</i> , 2007, 101, 034903.	2.5	322
6	Enhanced absorptance of gold following multipulse femtosecond laser ablation. <i>Physical Review B</i> , 2005, 72, .	3.2	277
7	Single crystal hybrid perovskite field-effect transistors. <i>Nature Communications</i> , 2018, 9, 5354.	12.8	255
8	Femtosecond laser structuring of titanium implants. <i>Applied Surface Science</i> , 2007, 253, 7272-7280.	6.1	247
9	Femtosecond laser nanostructuring of metals. <i>Optics Express</i> , 2006, 14, 2164.	3.4	201
10	Ultrafast dynamics of femtosecond laser-induced periodic surface pattern formation on metals. <i>Applied Physics Letters</i> , 2005, 87, 251914.	3.3	183
11	Brighter Light Sources from Black Metal: Significant Increase in Emission Efficiency of Incandescent Light Sources. <i>Physical Review Letters</i> , 2009, 102, 234301.	7.8	177
12	Solar-trackable super-wicking black metal panel for photothermal water sanitation. <i>Nature Sustainability</i> , 2020, 3, 938-946.	23.7	139
13	Direct creation of black silicon using femtosecond laser pulses. <i>Applied Surface Science</i> , 2011, 257, 7291-7294.	6.1	134
14	Laser turns silicon superwicking. <i>Optics Express</i> , 2010, 18, 6455.	3.4	133
15	Metal pumps liquid uphill. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	127
16	Femtosecond laser-induced periodic surface structure formation on tungsten. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	112
17	High-speed femtosecond laser plasmonic lithography and reduction of graphene oxide for anisotropic photoresponse. <i>Light: Science and Applications</i> , 2020, 9, 69.	16.6	110
18	Effects of nanostructure-covered femtosecond laser-induced periodic surface structures on optical absorptance of metals. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 86, 321-324.	2.3	105

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19	Antireflection effect of femtosecond laser-induced periodic surface structures on silicon. <i>Optics Express</i> , 2011, 19, A1031.	3.4	105
20	Direct visualization of the complete evolution of femtosecond laser-induced surface structural dynamics of metals. <i>Light: Science and Applications</i> , 2017, 6, e16256-e16256.	16.6	104
21	Femtosecond laser blackening of platinum. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	103
22	Creating superhydrophobic and antibacterial surfaces on gold by femtosecond laser pulses. <i>Applied Surface Science</i> , 2020, 506, 144952.	6.1	102
23	Direct observation of enhanced residual thermal energy coupling to solids in femtosecond laser ablation. <i>Applied Physics Letters</i> , 2005, 86, 011916.	3.3	100
24	Ellipticity effects on single and double ionization of diatomic molecules in strong laser fields. <i>Physical Review A</i> , 2001, 63, .	2.5	92
25	A review of femtosecond laser-structured superhydrophobic or underwater superoleophobic porous surfaces/materials for efficient oil/water separation. <i>RSC Advances</i> , 2019, 9, 12470-12495.	3.6	89
26	Enhanced absorption of metals over ultrabroad electromagnetic spectrum. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	79
27	Angular effects of nanostructure-covered femtosecond laser induced periodic surface structures on metals. <i>Journal of Applied Physics</i> , 2010, 108, .	2.5	78
28	Multielectron Effects on Single-Electron Strong Field Ionization. <i>Physical Review Letters</i> , 2000, 85, 2276-2279.	7.8	77
29	Charge Asymmetric Dissociation Induced by Sequential and Nonsequential Strong Field Ionization. <i>Physical Review Letters</i> , 1999, 82, 2492-2495.	7.8	72
30	Ultrafast Dynamics of Electron Thermalization in Gold. <i>Physical Review Letters</i> , 2001, 86, 1638-1641.	7.8	72
31	Spectral and polarization responses of femtosecond laser-induced periodic surface structures on metals. <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	70
32	Enhancing thermoelectric output power via radiative cooling with nanoporous alumina. <i>Nano Energy</i> , 2019, 65, 104060.	16.0	70
33	Formation of extraordinarily uniform periodic structures on metals induced by femtosecond laser pulses. <i>Journal of Applied Physics</i> , 2006, 100, 023511.	2.5	66
34	Substrate-Independent, Fast, and Reversible Switching between Underwater Superaerophobicity and Aerophilicity on the Femtosecond Laser-Induced Superhydrophobic Surfaces for Selectively Repelling or Capturing Bubbles in Water. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 8667-8675.	8.0	64
35	Nonsequential double ionization of molecular fragments. <i>Physical Review A</i> , 2000, 61, .	2.5	63
36	Spectral absorption control of femtosecond laser-treated metals and application in solar-thermal devices. <i>Light: Science and Applications</i> , 2020, 9, 14.	16.6	63

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37	Water sprints uphill on glass. <i>Journal of Applied Physics</i> , 2010, 108, .	2.5	59
38	Nonlinear optical characterization of copper oxide nanoellipsoids. <i>Scientific Reports</i> , 2019, 9, 11414.	3.3	57
39	A Highly Sensitive Single Crystal Perovskiteâ€“Graphene Hybrid Vertical Photodetector. <i>Small</i> , 2020, 16, e2000733.	10.0	55
40	Reflection of femtosecond laser light in multipulse ablation of metals. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	54
41	Bioinspired Hierarchical Surfaces Fabricated by Femtosecond Laser and Hydrothermal Method for Water Harvesting. <i>Langmuir</i> , 2019, 35, 3562-3567.	3.5	54
42	All-optical XOR, NOR, and NAND logic functions with parallel semiconductor optical amplifier-based Mach-Zehnder interferometer modules. <i>Optics and Laser Technology</i> , 2018, 108, 426-433.	4.6	53
43	Design of Aluminum Bowtie Nanoantenna Array with Geometrical Control to Tune LSPR from UV to Near-IR for Optical Sensing. <i>Plasmonics</i> , 2020, 15, 609-621.	3.4	53
44	Enhanced energy coupling in femtosecond laser-metal interactions at high intensities. <i>Optics Express</i> , 2006, 14, 13113.	3.4	52
45	Residual thermal effects in Al following single ns- and fs-laser pulse ablation. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 82, 357-362.	2.3	52
46	Design of Extremely Sensitive Refractive Index Sensors in Infrared for Blood Glucose Detection. <i>IEEE Sensors Journal</i> , 2020, 20, 4628-4634.	4.7	52
47	Ultrafast dynamics of femtosecond laser-induced nanostructure formation on metals. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	51
48	Plasmonic metasurfaces with 42.3% transmission efficiency in the visible. <i>Light: Science and Applications</i> , 2019, 8, 53.	16.6	51
49	Modulating the optical and electrical properties of MAPbBr ₃ single crystals via voltage regulation engineering and application in memristors. <i>Light: Science and Applications</i> , 2020, 9, 111.	16.6	51
50	Fano-resonant ultrathin film optical coatings. <i>Nature Nanotechnology</i> , 2021, 16, 440-446.	31.5	51
51	High-Current, Relativistic Electron-Beam Transport in Metals and the Role of Magnetic Collimation. <i>Physical Review Letters</i> , 2009, 102, 235004.	7.8	50
52	How To Obtain Six Different Superwettabilities on a Same Microstructured Pattern: Relationship between Various Superwettabilities in Different Solid/Liquid/Gas Systems. <i>Langmuir</i> , 2019, 35, 921-927.	3.5	48
53	Efficient tunable diode-pumped Yb:LYSO laser. <i>Optics Express</i> , 2006, 14, 6681.	3.4	47
54	Structural and compositional control in copper selenide nanocrystals for light-induced self-repairable electrodes. <i>Nano Energy</i> , 2018, 51, 774-785.	16.0	46

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55	Rapid fabrication of anti-corrosion and self-healing superhydrophobic aluminum surfaces through environmentally friendly femtosecond laser processing. <i>Optics Express</i> , 2020, 28, 35636.	3.4	44
56	Generalized Brewster Angle Effect in Thin-Film Optical Absorbers and Its Application for Graphene Hydrogen Sensing. <i>ACS Photonics</i> , 2019, 6, 1610-1617.	6.6	42
57	Ultrathin Perovskite Monocrystals Boost the Solar Cell Performance. <i>Advanced Energy Materials</i> , 2020, 10, 2000453.	19.5	42
58	Modeling of residual thermal effect in femtosecond laser ablation of metals: role of a gas environment. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 92, 883-889.	2.3	41
59	Charge Transfer Effects on Resonance-Enhanced Raman Scattering for Molecules Adsorbed on Single-Crystalline Perovskite. <i>ACS Photonics</i> , 2018, 5, 1619-1627.	6.6	41
60	Numerical study of ultrafast dynamics of femtosecond laser-induced periodic surface structure formation on noble metals. <i>Journal of Applied Physics</i> , 2007, 102, .	2.5	40
61	Photothermal and Joule-Heating-Induced Negative-Photoconductivity-Based Ultraresponsive and Near-Zero-Biased Copper Selenide Photodetectors. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1169-1178.	4.3	40
62	Ag ₂ S Quantum Dots as an Infrared Excited Photocatalyst for Hydrogen Production. <i>ACS Applied Energy Materials</i> , 2019, 2, 2751-2759.	5.1	40
63	Strong nonlinear absorption in perovskite films. <i>Optical Materials Express</i> , 2018, 8, 1472.	3.0	39
64	Theoretical investigation of strain-engineered WSe ₂ monolayers as anode material for Li-ion batteries. <i>Journal of Alloys and Compounds</i> , 2019, 804, 370-375.	5.5	39
65	Broadband infrared plasmonic metamaterial absorber with multipronged absorption mechanisms. <i>Optics Express</i> , 2019, 27, 27917.	3.4	38
66	Superamphiphobic Surfaces with Controllable Adhesion Fabricated by Femtosecond Laser Bessel Beam on PTFE. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900550.	3.7	38
67	100ÂGbps all-optical multifunctional AND, NOR, XOR, OR, XNOR, and NAND logic gates in a single compact scheme based on semiconductor optical amplifiers. <i>Optics and Laser Technology</i> , 2021, 137, 106828.	4.6	38
68	Surface-plasmon-enhanced photoelectron emission from nanostructure-covered periodic grooves on metals. <i>Physical Review B</i> , 2009, 79, .	3.2	37
69	Effect of electron heating on femtosecond laser-induced coherent acoustic phonons in noble metals. <i>Physical Review B</i> , 2007, 75, .	3.2	35
70	Superhydrophobic Al Surfaces with Properties of Anticorrosion and Reparability. <i>ACS Omega</i> , 2018, 3, 17425-17429.	3.5	35
71	Enhanced efficiency of solar-driven thermoelectric generator with femtosecond laser-textured metals. <i>Optics Express</i> , 2011, 19, A824.	3.4	34
72	Polarization and angular effects of femtosecond laser-induced conical microstructures on Ni. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	33

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73	Anomalous Ambipolar Phototransistors Based on All- $\text{Inorganic CsPbBr}_3$ Perovskite at Room Temperature. <i>Advanced Optical Materials</i> , 2019, 7, 1900676.	7.3	33
74	Formation of controllable 1D and 2D periodic surface structures on cobalt by femtosecond double pulse laser irradiation. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	33
75	Hydrogen evolution reaction from bare and surface-functionalized few-layered MoS ₂ nanosheets in acidic and alkaline electrolytes. <i>Materials Today Chemistry</i> , 2019, 14, 100207.	3.5	33
76	Coherent ultrafast MI-FROG spectroscopy of optical field ionization in molecular H ₂ , N ₂ , and O ₂ . <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2001, 7, 579-591.	2.9	31
77	Nanochemical effects in femtosecond laser ablation of metals. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	31
78	Hierarchical micro/nanostructured TiO ₂ /Ag substrates based on femtosecond laser structuring: A facile route for enhanced SERS performance and location predictability. <i>Applied Surface Science</i> , 2019, 478, 737-743.	6.1	31
79	Nonlinear Optical Studies of Gold Nanoparticle Films. <i>Nanomaterials</i> , 2019, 9, 291.	4.1	31
80	Compositional Engineering Study of Lead-Free Hybrid Perovskites for Solar Cell Applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 49636-49647.	8.0	31
81	Metallic Light Absorbers Produced by Femtosecond Laser Pulses. <i>Advances in Mechanical Engineering</i> , 2010, 2, 452749.	1.6	30
82	Effective high-order harmonic generation from metal sulfide quantum dots. <i>Optics Express</i> , 2018, 26, 35013.	3.4	30
83	Performance investigation of 120 Gb/s all-optical logic XOR gate using dual-reflective semiconductor optical amplifier-based scheme. <i>Journal of Computational Electronics</i> , 2018, 17, 1640-1649.	2.5	29
84	Direct fabricating large-area nanotriangle structure arrays on tungsten surface by nonlinear lithography of two femtosecond laser beams. <i>Optics Express</i> , 2018, 26, 11718.	3.4	29
85	Coral-like reduced graphene oxide/tungsten sulfide hybrid as a cathode host of high performance lithium-sulfur battery. <i>Journal of Power Sources</i> , 2019, 420, 22-28.	7.8	29
86	Maskless formation of uniform subwavelength periodic surface structures by double temporally-delayed femtosecond laser beams. <i>Applied Surface Science</i> , 2019, 471, 516-520.	6.1	29
87	Size-dependent off-resonant nonlinear optical properties of gold nanoparticles and demonstration of efficient optical limiting. <i>Optical Materials Express</i> , 2019, 9, 976.	3.0	29
88	Dispersion-free transient-grating frequency-resolved optical gating. <i>Applied Optics</i> , 1999, 38, 5250.	2.1	28
89	Highly Floatable Superhydrophobic Metallic Assembly for Aquatic Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 48512-48517.	8.0	28
90	Ultrafast performance of all-optical AND and OR logic operations at 160 Gb/s using photonic crystal semiconductor optical amplifier. <i>Optics and Laser Technology</i> , 2019, 119, 105611.	4.6	28

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91	Dissipative nanostructures and Feigenbaum's universality in the ϵ -Metal-high-power ultrashort-pulsed polarized radiation's nonequilibrium nonlinear dynamical system. <i>Technical Physics Letters</i> , 2008, 34, 387-390.	0.7	27
92	Femtosecond laser one-step direct-writing cylindrical microlens array on fused silica. <i>Optics Letters</i> , 2017, 42, 2358.	3.3	27
93	2â€Tb/s all-optical gates based on two-photon absorption in quantum dot semiconductor optical amplifiers. <i>Optics and Laser Technology</i> , 2019, 112, 442-451.	4.6	27
94	Enhancing Perovskite Solar Cell Performance through Femtosecond Laser Polishing. <i>Solar Rrl</i> , 2020, 4, 2000189.	5.8	27
95	Formation of solar absorber surface on nickel with femtosecond laser irradiation. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 108, 299-303.	2.3	26
96	Femtosecond laser-induced blazed periodic grooves on metals. <i>Optics Letters</i> , 2011, 36, 2575.	3.3	25
97	Femtosecond laser-induced periodic surface structural formation on sapphire with nanolayered gold coating. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	25
98	Hydrogen Sensing Using Thin-Film Perfect Light Absorber. <i>ACS Photonics</i> , 2019, 6, 1889-1894.	6.6	25
99	Metasurface integrated with double-helix point spread function and metalens for three-dimensional imaging. <i>Nanophotonics</i> , 2019, 8, 451-458.	6.0	25
100	Nonthermal component in heat-induced structural deformation and phase transition in gold. <i>Physical Review B</i> , 2000, 62, R11921-R11924.	3.2	24
101	Circuit Models for Power Bus Structures on Printed Circuit Boards Using a Hybrid FEM-SPICE Method. <i>IEEE Transactions on Advanced Packaging</i> , 2006, 29, 441-447.	1.6	24
102	Making human enamel and dentin surfaces superwetting for enhanced adhesion. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	24
103	Split aptamer-based detection of adenosine triphosphate using surface enhanced Raman spectroscopy and two kinds of gold nanoparticles. <i>Mikrochimica Acta</i> , 2019, 186, 251.	5.0	24
104	1ÂTb/s all-optical XOR and AND gates using quantum-dot semiconductor optical amplifier-based turbo-switched Mach-Zehnder interferometer. <i>Journal of Computational Electronics</i> , 2019, 18, 628-639.	2.5	24
105	A self-driven microfluidic surface-enhanced Raman scattering device for Hg ²⁺ detection fabricated by femtosecond laser. <i>Lab on A Chip</i> , 2020, 20, 414-423.	6.0	24
106	Giant Nonlinear Optical Response in Triple Cation Halide Mixed Perovskite Films. <i>Advanced Optical Materials</i> , 2020, 8, 1901766.	7.3	24
107	Polarization effects on nonsequential double ionization of molecular fragments in strong laser fields. <i>Physical Review A</i> , 2007, 75, .	2.5	23
108	Strong third-order optical nonlinearities of Ag nanoparticles synthesized by laser ablation of bulk silver in water and air. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	23

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109	Programmable DNA Nanoindicator-Based Platform for Large-Scale Square Root Logic Biocomputing. <i>Small</i> , 2019, 15, e1903489.	10.0	23
110	Effect of Size on the Saturable Absorption and Reverse Saturable Absorption in Silver Nanoparticle and Ultrafast Dynamics at 400nm. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-12.	2.7	23
111	320Gbps all-optical XOR gate using semiconductor optical amplifier-Mach-Zehnder interferometer and delayed interferometer. <i>Photonic Network Communications</i> , 2019, 38, 177-184.	2.7	23
112	Femtosecond-Laser-Produced Underwater Superhydrophobic Nanorippled Surfaces: Repelling Liquid Polymers in Water for Applications of Controlling Polymer Shape and Adhesion. <i>ACS Applied Nano Materials</i> , 2019, 2, 7362-7371.	5.0	22
113	Observation of selective charge separation following strong-field single ionization. <i>Physical Review A</i> , 2005, 71, .	2.5	21
114	Residual thermal effects in laser ablation of metals. <i>Journal of Physics: Conference Series</i> , 2007, 59, 418-423.	0.4	21
115	Nonsequential double ionization of triatomic molecules in strong laser fields. <i>Physical Review A</i> , 2010, 82, .	2.5	21
116	Microfluidic Channels Fabrication Based on Underwater Superhydrophobic Microgrooves Produced by Femtosecond Laser Direct Writing. <i>ACS Applied Polymer Materials</i> , 2019, 1, 2819-2825.	4.4	21
117	Pulse Duration and Wavelength Effects of Laser Ablation on the Oxidation, Hydrolysis, and Aging of Aluminum Nanoparticles in Water. <i>Nanomaterials</i> , 2019, 9, 767.	4.1	21
118	Femtosecond Laser-Structured Underwater Superhydrophobic Surfaces. <i>Langmuir</i> , 2019, 35, 9318-9322.	3.5	21
119	Ag2S quantum dots in the fields of picosecond and femtosecond UV and IR pulses: optical limiting, nonlinear absorption and refraction properties. <i>Applied Physics B: Lasers and Optics</i> , 2019, 125, 1.	2.2	21
120	Boosting Perovskite Photodetector Performance in NIR Using Plasmonic Bowtie Nanoantenna Arrays. <i>Small</i> , 2020, 16, e2001417.	10.0	21
121	Multipronged heat-exchanger based on femtosecond laser-nano/microstructured Aluminum for thermoelectric heat scavengers. <i>Nano Energy</i> , 2020, 75, 104987.	16.0	21
122	Femtosecond laser fabrication of square pillars integrated Siberian-Cocklebur-like microstructures surface for anti-icing. <i>Materials and Design</i> , 2021, 204, 109689.	7.0	21
123	Phase change material-based nano-cavity as an efficient optical modulator. <i>Nanotechnology</i> , 2021, 32, 095207.	2.6	21
124	Holding molecular dications together in strong laser fields. <i>Physical Review A</i> , 2006, 73, .	2.5	20
125	Observation of femtosecond laser-induced nanostructure-covered large scale waves on metals. <i>Journal of Applied Physics</i> , 2011, 109, 083521.	2.5	20
126	Shot-to-shot correlation of residual energy and optical absorptance in femtosecond laser ablation. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 86, 235-241.	2.3	19

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127	160 Gb/s photonic crystal semiconductor optical amplifier-based all-optical logic NAND gate. <i>Photonic Network Communications</i> , 2018, 36, 246-255.	2.7	19
128	High-order harmonic generation using quasi-phase matching and two-color pump in the plasmas containing molecular and alloyed metal sulfide quantum dots. <i>Journal of Applied Physics</i> , 2019, 126, 193103.	2.5	19
129	Femtosecond Laser Modification of Material Wetting Properties: A Brief Review. <i>Science of Advanced Materials</i> , 2012, 4, 432-438.	0.7	19
130	Comparison Study of Atomic and Molecular Single Ionization in the Multiphoton Ionization Regime. <i>Physical Review Letters</i> , 2006, 96, 243002.	7.8	18
131	Reducing Adhesion for Dispensing Tiny Water/Oil Droplets and Gas Bubbles by Femtosecond Laser-Treated Needle Nozzles: Superhydrophobicity, Superoleophobicity, and Superaerophobicity. <i>ChemNanoMat</i> , 2019, 5, 241-249.	2.8	18
132	Femtosecond and picosecond laser fabrication for long-term superhydrophilic metal surfaces. <i>Optics and Laser Technology</i> , 2021, 143, 107241.	4.6	18
133	Manipulation of multiple periodic surface structures on metals induced by femtosecond lasers. <i>Applied Surface Science</i> , 2018, 454, 327-333.	6.1	17
134	All-optical NOR and XNOR logic gates at 2ÂTb/s based on two-photon absorption in quantum-dot semiconductor optical amplifiers. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	3.3	17
135	Memories in the photoluminescence intermittency of single cesium lead bromide nanocrystals. <i>Nanoscale</i> , 2020, 12, 6795-6802.	5.6	17
136	Ellipticity effects on nonsequential double ionization of diatomic molecules in strong laser fields. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, L323-L328.	1.5	16
137	Resolving dynamics of acoustic phonons by surface plasmons. <i>Optics Letters</i> , 2007, 32, 719.	3.3	16
138	Metal colorization with femtosecond laser pulses. <i>Proceedings of SPIE</i> , 2008, , .	0.8	16
139	Controlling periodic ripple microstructure formation on 4H-SiC crystal with three time-delayed femtosecond laser beams of different linear polarizations. <i>Optics Express</i> , 2017, 25, 5156.	3.4	16
140	120 Gb/s all-optical NAND logic gate using reflective semiconductor optical amplifiers. <i>Journal of Modern Optics</i> , 2020, 67, 1138-1144.	1.3	16
141	Dielectric Nanoaperture Metasurfaces in Silicon Waveguides for Efficient and Broadband Mode Conversion with an Ultrasmall Footprint. <i>Advanced Optical Materials</i> , 2020, 8, 2000529.	7.3	16
142	Dynamic control of spontaneous emission rate using tunable hyperbolic metamaterials. <i>Optics Letters</i> , 2020, 45, 1671.	3.3	16
143	All-optical logic gates using dielectric-loaded waveguides with quasi-rhombus metasurfaces. <i>Optics Letters</i> , 2020, 45, 3769.	3.3	16
144	Colorful multifunctional surfaces produced by femtosecond laser pulses. <i>Optical Materials Express</i> , 2019, 9, 1033.	3.0	16

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145	SERS study on the synergistic effects of electric field enhancement and charge transfer in an Ag ₂ S quantum dots/plasmonic bowtie nanoantenna composite system. <i>Photonics Research</i> , 2020, 8, 548.	7.0	16
146	Ultrafast electronic disorder in heat-induced structural deformations and phase transitions in metals. <i>Physical Review B</i> , 2000, 62, 5382-5386.	3.2	15
147	Femtosecond laser surface structuring of biocompatible metals. , 2009, , .		15
148	Laser Makes Silicon Superwicking. <i>Optics and Photonics News</i> , 2010, 21, 38.	0.5	15
149	Femtosecond laser eraser for controllable removing periodic microstructures on Fe-based metallic glass surfaces. <i>Optics Express</i> , 2018, 26, 5102.	3.4	15
150	Comparative analyses of optical limiting effects in metal nanoparticles and perovskite nanocrystals. <i>Optical Materials</i> , 2019, 92, 366-372.	3.6	15
151	Effect of Ag ₂ S Nanocrystals/Reduced Graphene Oxide Interface on Hydrogen Evolution Reaction. <i>Catalysts</i> , 2020, 10, 948.	3.5	15
152	Comparative study of femtosecond laser-induced structural colorization in water and air. <i>Nanoscale Advances</i> , 2020, 2, 2958-2967.	4.6	15
153	All-optical AND, NOR, and XNOR logic gates using semiconductor optical amplifiers-based Mach-Zehnder interferometer followed by a delayed interferometer. <i>Optik</i> , 2021, 225, 165901.	2.9	15
154	Significantly enhanced electrocatalytic activity of copper for hydrogen evolution reaction through femtosecond laser blackening. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 10783-10788.	7.1	15
155	Reconfigurable metasurface-based 1 Å– 2 waveguide switch. <i>Photonics Research</i> , 2021, 9, 2104.	7.0	15
156	Influence of spatial symmetry on the dynamics of strong-field ionization. <i>Physical Review A</i> , 2000, 62, .	2.5	14
157	Triple-ionization-induced dissociation of NO in strong laser fields. <i>Physical Review A</i> , 2006, 74, .	2.5	14
158	Generation of continuously rotating polarization by combining cross-polarizations and its application in surface structuring. <i>Optics Letters</i> , 2017, 42, 2870.	3.3	14
159	Complete characterization of ultrashort optical pulses with a phase-shifting wedged reversal shearing interferometer. <i>Light: Science and Applications</i> , 2018, 7, 30.	16.6	14
160	Dramatically Enhanced Photoluminescence from Femtosecond Laser Induced Micro/Nanostructures on MAPbBr ₃ Single Crystal Surface. <i>Advanced Optical Materials</i> , 2018, 6, 1800411.	7.3	14
161	Low- and high-order nonlinear optical studies of ZnO nanocrystals, nanoparticles, and nanorods. <i>European Physical Journal D</i> , 2019, 73, 1.	1.3	14
162	Intraband divergences in third order optical response of 2D systems. <i>APL Photonics</i> , 2019, 4, .	5.7	14

#	ARTICLE	IF	CITATIONS
163	Research progress of femtosecond surface plasmon polariton*. Chinese Physics B, 2020, 29, 027302.	1.4	14
164	Fabrication of homogenous subwavelength grating structures on metallic glass using double-pulsed femtosecond lasers. Optics and Lasers in Engineering, 2020, 134, 106273.	3.8	14
165	Numerical modeling of photonic crystal semiconductor optical amplifiers-based 160ÅGb/s all-optical NOR and XNOR logic gates. Optical and Quantum Electronics, 2020, 52, 1.	3.3	14
166	Sandwich-like NOCC@S8/rGO composite as cathode for high energy lithium-sulfur batteries. Energy, 2021, 220, 119747.	8.8	14
167	Non-sequential double ionization in slow charge fragmentation of doubly ionized NO. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 3849-3854.	1.5	13
168	Thermal response and optical absorptance of metals under femtosecond laser irradiation. Natural Science, 2011, 03, 488-495.	0.4	13
169	Femtosecond laser surface structuring technique for making human enamel and dentin surfaces superwetting. Applied Physics B: Lasers and Optics, 2013, 113, 423-428.	2.2	13
170	Laser ablation-induced synthesis and nonlinear optical characterization of titanium and cobalt nanoparticles. Journal of Nanoparticle Research, 2018, 20, 1.	1.9	13
171	Design of DNA-based innovative computing system of digital comparison. Acta Biomaterialia, 2018, 80, 58-65.	8.3	13
172	Maskless laser nano-lithography of glass through sequential activation of multi-threshold ablation. Applied Physics Letters, 2019, 114, .	3.3	13
173	All-optical multifunctional AND, NOR, and XNOR logic gates using semiconductor optical amplifiers. Physica Scripta, 2020, 95, 085506.	2.5	13
174	1-D Metal-Dielectric-Metal Grating Structure as an Ultra-Narrowband Perfect Plasmonic Absorber in the Visible and Its Application in Glucose Detection. Plasmonics, 2020, 15, 1339-1350.	3.4	13
175	Single-step and Sustainable Fabrication of Ni(OH) ₂ /Ni Foam Water Splitting Catalysts via Electric Field Assisted Pulsed Laser Ablation in Liquid. ChemElectroChem, 2021, 8, 209-217.	3.4	13
176	Phase change material based hot electron photodetection. Nanoscale, 2021, 13, 1311-1317.	5.6	13
177	Single-ionization-induced dissociation of heteronuclear diatomic molecules in strong fields. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, 1095-1102.	1.5	12
178	High stability breakdown of noble gases with femtosecond laser pulses. Optics Letters, 2012, 37, 599.	3.3	12
179	Current-voltage characteristics influenced by the nanochannel diameter and surface charge density in a fluidic field-effect-transistor. Physical Chemistry Chemical Physics, 2017, 19, 15701-15708.	2.8	12
180	Metal-Dielectric-Metal Metamaterial-Based Hydrogen Sensors in the Water Transmission Window. , 2020, 4, 1-4.		12

#	ARTICLE	IF	CITATIONS
181	Back-Reflected Performance-Enhanced Flexible Perovskite Photodetectors through Substrate Texturing with Femtosecond Laser. ACS Applied Materials & Interfaces, 2020, 12, 26614-26623.	8.0	12
182	Exciton dynamics in two-dimensional MoS_2 on a hyperbolic metamaterial-based nanophotonic platform. Physical Review B, 2020, 101, .	3.2	12
183	Resonance-enhanced high harmonic in metal ions driven by elliptically polarized laser pulses. Optics Letters, 2021, 46, 2372.	3.3	12
184	Reflective semiconductor optical amplifiers-based all-optical NOR and XNOR logic gates at 120 Gb/s. Journal of Modern Optics, 2020, 67, 1424-1435.	1.3	12
185	Thin-film perfect infrared absorbers over single- and dual-band atmospheric windows. Optics Letters, 2020, 45, 2800.	3.3	12
186	Vertical and nonvertical transitions in triple-ionization-induced dissociation of diatomic molecules. Physical Review A, 2006, 74, .	2.5	11
187	Femtosecond laser machining of electrospun membranes. Applied Surface Science, 2011, 257, 2432-2435.	6.1	11
188	Creating Superhydrophobic Polymer Surfaces with Superstrong Resistance to Harsh Cleaning and Mechanical Abrasion Fabricated by Scalable One-Step Thermal Imprinting. Advanced Materials Interfaces, 2019, 6, 1900240.	3.7	11
189	Low- and high-order nonlinear optical properties of Ag_2S quantum dot thin films. Nanophotonics, 2019, 8, 849-858.	6.0	11
190	Ten-Input Cube Root Logic Computation with Rational Designed DNA Nanoswitches Coupled with DNA Strand Displacement Process. ACS Applied Materials & Interfaces, 2020, 12, 2601-2606.	8.0	11
191	Noncollinear excitation of surface plasmons for triangular structure formation on Cr surfaces by femtosecond lasers. Applied Surface Science, 2020, 507, 144932.	6.1	11
192	Annihilation mechanism of excitons in a MoS_2 monolayer through direct Förster-type energy transfer and multistep diffusion. Physical Review B, 2020, 101, .	3.2	11
193	Femtosecond laser induced periodic surface structures for the enhancement of field emission properties of tungsten. Optical Materials Express, 2019, 9, 3183.	3.0	11
194	Comparison studies of high-order harmonic generation in argon gas and different laser-produced plasmas. OSA Continuum, 2019, 2, 2381.	1.8	11
195	Simultaneous implementation of antireflection and antitransmission through multipolar interference in plasmonic metasurfaces and applications in optical absorbers and broadband polarizers. Nanophotonics, 2020, 9, 4529-4538.	6.0	11
196	Channel competition between metastable and dissociated states of doubly ionized NO in strong laser fields. Physical Review A, 2005, 71, .	2.5	10
197	Change in absorptance of metals following multi-pulse femtosecond laser ablation. Journal of Physics: Conference Series, 2007, 59, 579-584.	0.4	10
198	Charging and plasma effects under ultrashort pulsed laser ablation. Proceedings of SPIE, 2008, , .	0.8	10

#	ARTICLE	IF	CITATIONS
199	Pronounced enhancement of exciton Rabi oscillation for a two-photon transition based on quantum dot coupling control. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 035402.	1.5	10
200	Nonlinear optics on nano/micro-hierarchical structures on metals: focus on symmetric and plasmonic effects. <i>Nano Reviews & Experiments</i> , 2017, 8, 1339545.	3.7	10
201	Ultrasensitive Optical Detection of Water Pressure in Microfluidics Using Smart Reduced Graphene Oxide Glass. <i>Frontiers in Chemistry</i> , 2019, 7, 395.	3.6	10
202	Robust mold fabricated by femtosecond laser pulses for continuous thermal imprinting of superhydrophobic surfaces. <i>Materials Research Express</i> , 2019, 6, 075011.	1.6	10
203	Observation of resonance-enhanced high-order harmonics from direct excitation of metal nanoparticles with femtosecond pulses. <i>Physical Review A</i> , 2020, 102, .	2.5	10
204	Quasi-rhombus metasurfaces as multimode interference couplers for controlling the propagation of modes in dielectric-loaded waveguides. <i>Optics Letters</i> , 2019, 44, 1654.	3.3	10
205	High-Order Harmonic Generation in Au Nanoparticle-Contained Plasmas. <i>Nanomaterials</i> , 2020, 10, 234.	4.1	10
206	Laser-Assisted Synthesis of Ag ₂ S Quantum Dot in Perovskite Matrix and Its Application in Broadband Photodetectors. <i>Advanced Optical Materials</i> , 2022, 10, 2101535.	7.3	10
207	Chirp effects in femtosecond laser-induced surface second-harmonic generation from metals. <i>Applied Physics Letters</i> , 2004, 85, 1110-1112.	3.3	9
208	Dynamics of triple-ionization-induced dissociation in diatomic molecules in strong fields. <i>Physical Review A</i> , 2006, 73, .	2.5	9
209	Formation of Subwavelength Periodic Triangular Arrays on Tungsten through Double-Pulsed Femtosecond Laser Irradiation. <i>Materials</i> , 2018, 11, 2380.	2.9	9
210	Optical Third Harmonic Generation Using Nickel Nanostructure-Covered Microcube Structures. <i>Materials</i> , 2018, 11, 501.	2.9	9
211	Femtosecond laser-induced herringbone patterns. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 405.	2.3	9
212	Structural variations during aging of the particles synthesized by laser ablation of copper in water. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	9
213	Laser-induced regular nanostructure chains within microgrooves of Fe-based metallic glass. <i>Applied Surface Science</i> , 2020, 529, 147156.	6.1	9
214	Formation of uniform two-dimensional subwavelength structures by delayed triple femtosecond laser pulse irradiation. <i>Optics Letters</i> , 2019, 44, 2278.	3.3	9
215	Dissociation of doubly and triply charged N ₂ in strong laser fields. <i>Physical Review A</i> , 2011, 84, .	2.5	8
216	Shock-induced concentric rings in femtosecond laser ablation of glass. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	8

#	ARTICLE	IF	CITATIONS
217	Selective charge asymmetric distribution in heteronuclear diatomic molecules in strong laser fields. <i>Physical Review A</i> , 2015, 92, .	2.5	8
218	Ablated nickel nanoparticles: third harmonic generation and optical nonlinearities. <i>Journal of Optics (United Kingdom)</i> , 2018, 20, 125502.	2.2	8
219	Photoinduced Orientation-Dependent Interlayer Carrier Transportation in Cross-Stacked Black Phosphorus van der Waals Junctions. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800964.	3.7	8
220	Influence of gadolinium doping on low- and high-order nonlinear optical properties and transient absorption dynamics of ZnO nanomaterials. <i>Optical Materials</i> , 2019, 95, 109241.	3.6	8
221	Two-photon absorption in quantum dot semiconductor optical amplifiers-based all-optical XOR gate at 2ÅTb/s. <i>Optical and Quantum Electronics</i> , 2019, 51, 1.	3.3	8
222	Investigation of Resonance-Enhanced High-Order Harmonics by Two-Component Laser-Produced Plasmas. <i>Atoms</i> , 2021, 9, 1.	1.6	8
223	Probing Laser Plasma Dynamics Using High-Order Harmonics Generation in Carbon-Containing Nanomaterials. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2143.	2.5	8
224	All-optical OR and NOR gates using quantum-dot semiconductor optical amplifiers-assisted turbo-switched Mach-Zehnder interferometer and serially delayed interferometer at 1 Tb/s. <i>Optik</i> , 2020, 218, 164879.	2.9	8
225	Rotationally symmetric colorization of metal surfaces through omnidirectional femtosecond laser-induced periodic surface structures. <i>Optics Letters</i> , 2020, 45, 3414.	3.3	8
226	Fabrication of Superhydrophobic Gully-Structured Surfaces by Femtosecond Laser and Imprinting for High-Efficiency Self-Cleaning Rain Collection. <i>Langmuir</i> , 2022, 38, 2720-2728.	3.5	8
227	Second- and third-order interferometric autocorrelations based on harmonic generations from metal surfaces. <i>Optics Communications</i> , 2005, 252, 173-178.	2.1	7
228	Colorizing Metals with Femtosecond Laser Pulses. <i>Optics and Photonics News</i> , 2008, 19, 30.	0.5	7
229	Polarization and angular effects of femtosecond laser-induced nanostructure-covered large scale waves on metals. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	7
230	Spectral investigation of higher-order Kerr effects in a tight-focusing geometry. <i>Optics Express</i> , 2013, 21, 29401.	3.4	7
231	Resonance-enhanced harmonics in mixed laser-produced plasmas. <i>Plasma Research Express</i> , 2019, 1, 035002.	0.9	7
232	Fluorescence enhanced lab-on-a-chip patterned using a hybrid technique of femtosecond laser direct writing and anodized aluminum oxide porous nanostructuring. <i>Nanoscale Advances</i> , 2019, 1, 3474-3484.	4.6	7
233	Effects of Laser Plasma Formation on Quasi-Phase Matching of High-Order Harmonics from Nanoparticles and Atoms. <i>Nanomaterials</i> , 2019, 9, 572.	4.1	7
234	Numerical investigation of an all-optical logic OR gate at 80ÅGb/s with a dual pump-probe semiconductor optical amplifier (SOA)-assisted Mach-Zehnder interferometer (MZI). <i>Journal of Computational Electronics</i> , 2019, 18, 271-278.	2.5	7

#	ARTICLE	IF	CITATIONS
235	Distinguishing monomer and nanoparticle contributions to high-harmonic emission from laser-ablated plumes. <i>Optics Express</i> , 2021, 29, 23421.	3.4	7
236	Carbon Nanotubes Conjugated Mesoporous Tungsten Trioxide as Anode Electrocatalyst for Microbial Fuel Cells. <i>ECS Journal of Solid State Science and Technology</i> , 2020, 9, 115010.	1.8	7
237	Femtosecond Laser Nanostructuring of Metals. , 2006, , .		7
238	Non-equilibrium electronic Grüneisen parameter. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 111, 273-277.	2.3	6
239	Direct detection of enhanced ionization in CO and N ₂ in strong fields. <i>Physical Review A</i> , 2014, 90, .	2.5	6
240	Polarization and molecular-orbital dependence of strong-field enhanced ionization. <i>Physical Review A</i> , 2016, 93, .	2.5	6
241	Formation of Slantwise Surface Ripples by Femtosecond Laser Irradiation. <i>Nanomaterials</i> , 2018, 8, 458.	4.1	6
242	One-step fabrication of bi- and quad-directional femtosecond laser-induced periodic surface structures on metal with a depolarizer. <i>Applied Surface Science</i> , 2019, 493, 231-238.	6.1	6
243	Role of carbon clusters in high-order harmonic generation in graphite plasmas. <i>OSA Continuum</i> , 2019, 2, 1510.	1.8	6
244	Ultrathin-film optical coating for angle-independent remote hydrogen sensing. <i>Measurement Science and Technology</i> , 2020, 31, 115201.	2.6	6
245	Femtosecond laser-produced optical absorbers for solar-thermal energy harvesting. <i>EcoMat</i> , 2022, 4, .	11.9	6
246	Nonlinear optical study of the Fermi-surface oscillation in gold induced by acoustic-phonon excitation. <i>Physical Review B</i> , 2001, 64, .	3.2	5
247	Permanent recording of light helicity on optically inactive metal surfaces. <i>Optics Letters</i> , 2006, 31, 3641.	3.3	5
248	Femtosecond laser-induced asymmetric large scale waves on gold surfaces. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	5
249	Femtosecond laser-induced nanostructure-covered large-scale waves on metals. <i>Applied Physics B: Lasers and Optics</i> , 2013, 113, 485-490.	2.2	5
250	Real-time in situ study of femtosecond-laser-induced periodic structures on metals by linear and nonlinear optics. <i>Optics Express</i> , 2017, 25, 20323.	3.4	5
251	High-order harmonics generation under quasi-phase matched conditions in silver, boron, and silver sulfide plasmas of different configurations. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	5
252	DNA-based digital comparator systems constructed by multifunctional nanoswitches. <i>Nanoscale</i> , 2019, 11, 21856-21866.	5.6	5

#	ARTICLE	IF	CITATIONS
253	Formation, aging and self-assembly of regular nanostructures from laser ablation of indium and zinc in water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 584, 124016.	4.7	5
254	Construction of a simple and intelligent DNA-based computing system for multiplexing logic operations. <i>Acta Biomaterialia</i> , 2020, 118, 44-53.	8.3	5
255	Single-step maskless nano-lithography on glass by femtosecond laser processing. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	5
256	Theoretical Demonstration of 250 Gb/s Ultrafast All-Optical Memory Using Mach-Zehnder Interferometers With Quantum-Dot Semiconductor Optical Amplifiers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-7.	2.9	5
257	Generalized emptying criteria for finite-lengthed capillary. <i>Physical Review Fluids</i> , 2020, 5, .	2.5	5
258	Producing anomalous uniform periodic nanostructures on Cr thin films by femtosecond laser irradiation in vacuum. <i>Optics Letters</i> , 2020, 45, 1301.	3.3	5
259	Femtosecond laser ablation and photo-induced effects of As ₄₀ S ₆₀ , Ga ₈ As ₃₉ S ₆₀ and Ga ₈ As ₂₉ Sb ₁₀ S ₆₀ chalcogenide glasses. <i>Optical Materials Express</i> , 2019, 9, 3582.	3.0	5
260	Femtosecond laser fabrication and chemical coating of anti-corrosion ethylene-glycol repellent aluminum surfaces. <i>Materials Letters</i> , 2022, 323, 132562.	2.6	5
261	Breaking Metals with Ultrafast Optical Excitation. <i>Optics and Photonics News</i> , 2000, 11, 47.	0.5	4
262	Influence of electronic temperature and distribution on the second-order surface nonlinear susceptibility of metals. <i>Applied Physics Letters</i> , 2001, 78, 3211-3213.	3.3	4
263	Thermal effects in femtosecond laser ablation of metals. , 2006, 6118, 66.		4
264	Long-lived coherent traveling acoustic pulses induced by femtosecond laser pulses. <i>Solid State Communications</i> , 2007, 144, 198-201.	1.9	4
265	Optical properties of femtosecond laser-induced periodic surface structures on metals. , 2009, , .		4
266	Spatial mode cleaning in radically asymmetric strongly focused laser beams. <i>Applied Physics B: Lasers and Optics</i> , 2013, 113, 317-325.	2.2	4
267	Superwicking Surfaces Produced by Femtosecond Laser. <i>Springer Series in Optical Sciences</i> , 2015, , 101-115.	0.7	4
268	Symmetry-sensitive plasmonic enhancement of nonlinear optical intensity in nano-micro hierarchical structures on silver. <i>Surface and Interface Analysis</i> , 2016, 48, 1108-1113.	1.8	4
269	Time-dependent optimization of laser-produced molecular plasmas through high-order harmonic generation. <i>Physics of Plasmas</i> , 2019, 26, 100703.	1.9	4
270	Interaction of Pulses of Different Duration with Chemically Prepared Silver Nanoparticles: Analysis of Optical Nonlinearities. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-12.	2.7	4

#	ARTICLE	IF	CITATIONS
271	A High-Efficiency Multispectral Filter Based on Plasmonic Hybridization between Two Cascaded Ultrathin Nanogratings. <i>Molecules</i> , 2019, 24, 2038.	3.8	4
272	Third harmonic generation of undoped graphene in Hartree-Fock approximation. <i>Physical Review B</i> , 2019, 100, .	3.2	4
273	Analytical treatment of quasi-phase matching of high-order harmonics in multijet laser plasmas: influence of free electrons between jets, intrinsic phase, and Gouy phase. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019, 52, 075601.	1.5	4
274	Theoretical investigation of 120ÂGb/s all-optical AND and OR logic gates using reflective semiconductor optical amplifiers. <i>Optical Engineering</i> , 2021, 60, .	1.0	4
275	Third-order nonlinear optical effects of silver nanoparticles and third harmonic generation from their plasma plumes. <i>Optik</i> , 2021, 245, 167680.	2.9	4
276	Creation of enhanced transmission for clear and frosted glass through facile surface texturing. <i>Optical Materials Express</i> , 2019, 9, 2946.	3.0	4
277	Superwicking Black Metal Surface for Solar-Thermal Water Sanitation. <i>Optics and Photonics News</i> , 2020, 31, 60.	0.5	4
278	Attosecond pulse extreme-ultraviolet photoionization in a two-color laser field. <i>Optics Letters</i> , 2005, 30, 564.	3.3	3
279	<title>Extraordinary enhanced absorptivity of gold surface ablated with femtosecond laser pulses</title>. <i>Proceedings of SPIE</i> , 2008, , .	0.8	3
280	Polarization-controlled microgroove arrays induced by femtosecond laser pulses. <i>Journal of Applied Physics</i> , 2018, 123, 213103.	2.5	3
281	Influence of PVP polymer concentration on nonlinear absorption in silver nanoparticles at resonant excitation. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	3
282	Capture of femtosecond plasmon excitation on transient nonequilibrium states of the metal surface. <i>Physical Review Research</i> , 2020, 2, .	3.6	3
283	Theoretical Implementation of All-Optical XOR Gate at 160 Gb/s Using Semiconductor Optical Amplifiers-Based Turbo-Switched Mach-Zehnder Interferometer. <i>Journal of Advanced Optics and Photonics</i> , 2018, 1, 263-278.	0.1	3
284	Spatial Wavefunction Characterization of Femtosecond Pulses at Single-Photon Level. <i>Research</i> , 2020, 2020, 2421017.	5.7	3
285	ULTRAFast DYNAMICS OF THERMAL AND NONTHERMAL STRUCTURAL CHANGES IN METALS. <i>International Journal of Modern Physics B</i> , 2001, 15, 101-115.	2.0	2
286	Spectral responsivity and efficiency of metal-based femtosecond autocorrelation technique. <i>Optics Communications</i> , 2004, 242, 279-283.	2.1	2
287	Femtosecond laser blackening of metals. , 2009, , .		2
288	Black Metals Produced by Femtosecond Laser Pulses. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
289	Solar Absorber Surfaces Treated by Femtosecond Laser. , 2010, , .		2
290	Vorobyev, Makin, and Guo Reply:. Physical Review Letters, 2011, 106, .	7.8	2
291	Black metals through femtosecond laser pulses. , 2012, , .		2
292	The role of molecular electron distribution in strong-field ionization and dissociation of heteronuclear molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 225601.	1.5	2
293	Effect of different hardness and melting point of the metallic surfaces on structural and optical properties of synthesized nanoparticles. Materials Research Express, 2019, 6, 045027.	1.6	2
294	Optical-field driven charge-transfer modulations near composite nanostructures. Nature Communications, 2020, 11, 6150.	12.8	2
295	Perovskite Monocrystals: Ultrathin Perovskite Monocrystals Boost the Solar Cell Performance (Adv.) Tj ETQq1 1 0.784314 rgBT /Overl	19.5	2
296	Ultrabroadband, compact, polarization independent and efficient metasurface-based power splitter on lithium niobate waveguides. Optics Express, 2021, 29, 8160.	3.4	2
297	Plasmonic analogue of geometric diodes realizing asymmetric optical transmission. Optics Letters, 2020, 45, 3937.	3.3	2
298	Controllable fabrication of polygonal micro and nanostructures on sapphire surfaces by chemical etching after femtosecond laser irradiation. Optical Materials Express, 2019, 9, 2994.	3.0	2
299	Back Deposition of Ablated Particles onto Sample in Femtosecond Laser Processing of Metals. , 2006, , .		1
300	Effect of Surface Structural Modifications on Absorptivity of Platinum in Multi-Pulse Femtosecond Laser Ablation. , 2006, , .		1
301	Observation of a step change in the optical absorption of gold in a vacuum. Physical Review B, 2006, 74, .	3.2	1
302	Dynamics of femtosecond laser-induced periodic surface structures on metals. Proceedings of SPIE, 2008, , .	0.8	1
303	Vorobyev, Makin, and Guo Reply:. Physical Review Letters, 2009, 103, .	7.8	1
304	Femtosecond Laser-Induced Periodic Surface Structures on Tungsten. , 2009, , .		1
305	Focus issue introduction: Laser Ignition Conference. Optics Express, 2014, 22, A564.	3.4	1
306	Ultrafast microscopy in resolving femtosecond laser-induced surface structuring. Japanese Journal of Applied Physics, 2018, 57, 08PF04.	1.5	1

#	ARTICLE	IF	CITATIONS
307	Study of various material particles by third harmonic generation method based on laser pulse induced plasma. <i>Optical Materials</i> , 2019, 98, 109423.	3.6	1
308	High-efficiency non-diffractive generator of arbitrary vectorial optical fields with minimal optical elements. <i>Optics Communications</i> , 2020, 463, 125443.	2.1	1
309	Direct determination of complex amplitude of arbitrary ultrashort pulses via spectral phase conjugation. <i>New Journal of Physics</i> , 2021, 23, 033047.	2.9	1
310	Compact vectorial optical field generator using a single phase-only spatial light modulator. <i>Optics Letters</i> , 2021, 46, 3901.	3.3	1
311	Controlling Voronoi partitions on femtosecond-laser-superheated metal surfaces. <i>Applied Surface Science</i> , 2021, 568, 150913.	6.1	1
312	A Special Issue on Nanomaterials by Laser Processing. <i>Science of Advanced Materials</i> , 2012, 4, 365-367.	0.7	1
313	Imaging nanostructure phase transition through ultrafast far-field optical ultramicroscopy. <i>Cell Reports Physical Science</i> , 2021, 2, 100651.	5.6	1
314	Switchable Gratings for Ultracompact and Ultrahigh Modulation Depth Plasmonic Switches. <i>Plasmonics</i> , 2022, 17, 1361-1368.	3.4	1
315	Watching Really Hot Electrons Relax. <i>Optics and Photonics News</i> , 2001, 12, 68.	0.5	0
316	Observation of a nonthermal disordered lattice state in heat-induced structural phase change in gold. , 0, , .		0
317	Direct observation of ultrafast dynamics of electron thermalization in gold using surface SHG. , 0, , .		0
318	Thermal energy coupling to Al in ablation with ms-, ns-, and fs-laser pulses. , 0, , .		0
319	Effect of surface structural modification on absorptivity of gold in multi-pulse femtosecond laser ablation. , 0, , .		0
320	Atomic and molecular single ionization in the multiphoton ionization regime. , 2006, , JSuA23.		0
321	Ultrafast Electronic Gruneisen Parameter at Non-Equilibrium Distributions. , 2006, , JWD104.		0
322	Turning Optically Achiral Materials Chiral. , 2007, , .		0
323	Super-Sensitive Surface Plasmon Probe in Ultrafast Measurements. <i>Optics and Photonics News</i> , 2007, 18, 37.	0.5	0
324	Enhanced THz absorptance of metal surfaces structured with femtosecond laser. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
325	Polarization Effects in High-Field Interactions. , 2008, , .		0
326	Brighter incandescent light sources from the black metal. , 2010, , .		0
327	Enhanced Stability of Gas-Phase LIBS with Femtosecond Lasers. , 2012, , .		0
328	Photoacoustic Spectroscopy and Its Applications in Characterization of Nanomaterials. , 2012, , 621-649.		0
329	Femtosecond Laser Materials Processing. , 2014, , .		0
330	Molecular alignment in degenerated dissociation channels in strong laser fields. Scientific Reports, 2017, 7, 2584.	3.3	0
331	Surface functionalization by femtosecond lasers and its ultrafast formation dynamics. , 2017, , .		0
332	Aluminum nanoparticle plasma formation for high-order harmonic generation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 245601.	1.5	0
333	Ultra-smooth ultrathin silver films deposited on acid treated Silicon substrates. Nano Express, 2020, 1, 020012.	2.4	0
334	Spectrally resolved wedged reversal shearing interferometer. Optics Letters, 2021, 46, 1796.	3.3	0
335	Target phase-induced compositional control in liquid-phase pulsed laser ablation produced titanium ferrite nanomaterials. Bulletin of Materials Science, 2021, 44, 1.	1.7	0
336	Imaging Nanostructure Phase Transition Through Ultrafast Far-Field Optical Ultra-Microscopy. SSRN Electronic Journal, 0, , .	0.4	0
337	Resolving Ultrafast Dynamics of Electron Thermalization in Gold using Surface SHG. Springer Series in Chemical Physics, 2001, , 413-415.	0.2	0
338	Controlling chemical pathways in the strong-field tunnelling regime. , 2004, , .		0
339	Dependence of Optical Absorption of Metals on Ambient Pressure following Femtosecond Pulse Excitation. , 2006, , .		0
340	Multielectron Effects of Diatomic Molecules in Strong Laser Fields. Springer Series in Chemical Physics, 2006, , 43-58.	0.2	0
341	Slowing down molecular dissociation in strong laser fields. , 2006, , .		0
342	Slowing down molecular dissociation in strong laser fields. Springer Series in Chemical Physics, 2007, , 564-566.	0.2	0

#	ARTICLE	IF	CITATIONS
343	Enhanced Nonlinear Photoelectron Emission by Surface Plasmons from Nanostructure-covered Periodic Grooves. , 2008, , .		0
344	Generation and Detection of Coherent Acoustic Pulses by Femtosecond Laser Pulses. , 2009, , .		0
345	Dynamics of femtosecond laser nanostructuring of metals. , 2009, , .		0
346	Femtosecond laser-induced nanostructure-covered large scale wave formation on metals. , 2010, , .		0
347	Morphological Profile of Femtosecond Laser-Induced Periodic Grooves on Metals. , 2011, , .		0
348	Direct Observation of Enhanced Ionization in CO. , 2012, , .		0
349	Femtosecond Laser-driven Wave Propagation on Metals. , 2012, , .		0
350	Molecular alignment effect in sequential and nonsequential double ionization dynamics. , 2013, , .		0
351	The black and colored metals and applications. , 2013, , .		0
352	Herringbone Patterned Laser-Induced Periodic Surface Structures (LIPSS). , 2016, , .		0
353	Femtosecond Laser-induced Dual Periodic Structures on Ni. , 2017, , .		0
354	10.1063/1.5028197.1. , 2018, , .		0
355	Toward Multidirectional Laser-induced Periodic Surface Structure Formation on Metal. , 2019, , .		0
356	Multifractal characterization of femtosecond laser-induced herringbone patterns. JPhys Photonics, 2021, 3, 015001.	4.6	0
357	10.1063/1.5142700.1. , 2020, , .		0
358	Calcination Temperature Induced Structural, Optical and Magnetic Transformations in Titanium Ferrite Nanoparticles. Reactions, 2022, 3, 224-232.	2.1	0