Ye Dai

List of Publications by Year
in descending order

102 papers	1,765 citations	331259 21 h-index	315357 38 g-index
102 all docs	102 docs citations	102 times ranked	2084 citing authors

#	Article	IF	Citations
1	Temperature Dependence of Absorption and Energy Transfer Efficiency of Er3+/Yb3+/P5+ Co-Doped Silica Fiber Core Glasses. Materials, 2022, 15, 996.	1.3	3
2	Influence of GeO2 Content on the Spectral and Radiation-Resistant Properties of Yb/Al/Ge Co-Doped Silica Fiber Core Glasses. Materials, 2022, 15, 2235.	1.3	1
3	One-step precipitation of stable perovskite CsPbBr₃ quantum dots in silicate glass by picosecond laser pulses. Optical Materials Express, 2022, 12, 2260.	1.6	6
4	Temporally chirped femtosecond pulse laser non-reciprocal writing on the silicon. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	1
5	Ripple period adjustment on SiC surface based on electron dynamics control and its polarization anisotropy. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	7
6	LIPSS-covered annular ablation region induced on ZnO surface by focusing femtosecond laser beam spatially shaped by bubbles in cedar oil. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	1
7	Terahertz probe of nonequilibrium carrier dynamics and ultrafast photocurrents in the topological insulator Sb2Te3. Applied Physics Letters, 2021, 118, .	1.5	21
8	Effect of wavefront rotation on the photoionization process by ultrafast laser spatiotemporal focusing. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 1040.	0.9	3
9	Evolution of self-organized nanograting from the pre-induced nanocrack-assisted plasmaâ€“laser coupling in sapphire. Applied Physics B: Lasers and Optics, 2021, 127, 1.	1.1	11
10	Temperature dependence of the spectral properties of Yb³⁺/P⁵⁺/Al³⁺ co-doped silica fiber core glasses. Optical Materials Express, 2021, 11, 2459.	1.6	7
11	Photosensitivity of barium germano-gallate glasses under femtosecond laser direct writing for Mid-IR applications. Ceramics International, 2021, 47, 34235-34241.	2.3	14
12	Manipulation of self-organized nanograting for erasing and rewriting by ultrashort double-pulse sequences irradiation in fused silica. Journal Physics D: Applied Physics, 2020, 53, 165106.	1.3	7
13	Controlling terahertz radiation with subwavelength blocky patterned CoFeB/Pt heterostructures. Applied Physics Express, 2019, 12, 122003.	1.1	13
14	Terahertz Radiation Modulated by Confinement of Picosecond Current Based on Patterned Ferromagnetic Heterostructures. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1900057.	1.2	24
15	Influence of buffer layer and grating layer on diffraction of multilayer volume holographic grating. Applied Physics B: Lasers and Optics, 2019, 125, 1.	1.1	6
16	Anti-reflective and anticorrosive properties of laser-etched titanium sheet in different media. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	13
17	Dark mode tailored electromagnetically induced transparency in terahertz metamaterials. Applied Physics B: Lasers and Optics, 2019, 125, 1.	1.1	12
18	Fiber nanogratings induced by femtosecond pulse laser direct writing for in-line polarizer. Nanoscale, 2019, 11, 908-914.	2.8	18

#	Article	IF	Citations
19	Title is missing!. Chinese Optics Letters, 2019, 17, 081402.	1.3	5
20	Generation of femtosecond dual pulses by a transverse standing wave in a volume holographic grating. Chinese Optics Letters, 2019, 17, 113201.	1.3	2
21	Photoinduced charge carrier dynamics and spectral band filling in organometal halide perovskites. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 018401.	0.2	0
22	Formation of nanograting in fused silica by temporally delayed femtosecond double-pulse irradiation. Journal Physics D: Applied Physics, 2018, 51, 155101.	1.3	9
23	Theory of polarizing beam splitter based on pendulum effect in volume holographic grating. Optik, 2018, 162, 126-132.	1.4	4
24	Flexible, planar integratable and all-solid-state micro-supercapacitors based on nanoporous gold/ manganese oxide hybrid electrodes via template plasma etching method. Journal of Alloys and Compounds, 2018, 739, 979-986.	2.8	22
25	THz Radiation Modulated by Confinement of Transient Current Based on Patterned CoFeB/Pt Heterostructures. , 2018, , .		0
26	Important effect of Pt modification at the collector/active material interface of flexible micro-supercapacitors. Applied Surface Science, 2018, 456, 410-418.	3.1	6
27	Recording, erasing, and rewriting of ripples on metal surfaces by ultrashort laser pulses. Optics Letters, 2018, 43, 1778.	1.7	6
28	Effect of sodium oxide content on the formation of nanogratings in germanate glass by a femtosecond laser. Optics Express, 2018, 26, 12761.	1.7	15
29	Self-organized nanogratings induced by femtosecond laser pulse direct writing in optical fibers. , 2018, , .		1
30	Coherent terahertz radiation via ultrafast manipulation of spin currents in ferromagnetic heterostructures. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 197202.	0.2	7
31	A strategy for fabrication of controllable 3D pattern containing clusters and nanoparticles inside a solid material. Nanoscale, 2017, 9, 9083-9088.	2.8	10
32	Femtosecond laser-induced structural difference in fused silica with a non-reciprocal writing process. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	9
33	Femtosecond laser induced space-selective precipitation of Cr 3+ -doped ZnAl 2 O 4 crystal in glass. Journal of Alloys and Compounds, 2017, 699, 243-246.	2.8	7
34	Effect of scanning velocity on femtosecond laser-induced periodic surface structures on HgCdTe crystal. Applied Surface Science, 2017, 425, 307-313.	3.1	7
35	Evolution of polarization dependent microstructures induced by high repetition rate femtosecond laser irradiation in glass. Optics Express, 2016, 24, 21353.	1.7	11
36	Generation of few-cycle laser pulses: Comparison between atomic and molecular gases in a hollow-core fiber. Chinese Physics B, 2016, 25, 074205.	0.7	0

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37	Long persistent luminescence in Mn^2+-activated sodium gallium germanate glass and glass ceramics induced by infrared femtosecond laser pulses. Optical Materials Express, 2016, 6, 2380.	1.6	6
38	Bubble Generation in Germanate Glass Induced by Femtosecond Laser. Chinese Physics Letters, 2016, 33, 036101.	1.3	3
39	Surface birefringence of self-assembly periodic nanostructures induced on 6H-SiC surface by femtosecond laser. Applied Surface Science, 2016, 363, 664-669.	3.1	14
40	Void-nanograting transition by ultrashort laser pulse irradiation in silica glass. Optics Express, 2016, 24, 19344.	1.7	36
41	Design of intense 15-cycle pulses generation at 36 Âμm through a pressure gradient hollow-core fiber. Optics Express, 2016, 24, 9280.	1.7	8
42	The three-level ripples induced by femtosecond laser on a 6H-SiC single crystal and the formation mechanism. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	8
43	Laser-induced periodic surface structures on 6H-SiC single crystals using temporally delayed femtosecond laser double-pulse trains. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	12
44	Picosecond pulses compression at 1053-nm center wavelength by using a gas-filled hollow-core fiber compressor. Chinese Physics B, 2015, 24, 014212.	0.7	2
45	A Universal Photochemical Approach to Ultraâ€Small, Wellâ€Dispersed Nanoparticle/Reduced Graphene Oxide Hybrids with Enhanced Nonlinear Optical Properties. Advanced Optical Materials, 2015, 3, 836-841.	3.6	31
46	Tuning the central wavelength by hundreds of nanometers using ultrafast molecular phase modulation. Physical Review A, 2015, 91, .	1.0	5
47	Changes in wetting and contact charge transfer by femtosecond laser-ablation of polyimide. Applied Surface Science, 2015, 349, 952-956.	3.1	15
48	Field-free orientation of CO molecules induced by a chirped pulse. Chemical Physics Letters, 2015, 627, 53-57.	1.2	5
49	Spectral and spatial resolving of photoelectric property of femtosecond laser drilled holes of GaSb_1â^'xBi_x. Optics Letters, 2015, 40, 3392.	1.7	5
50	Few-cycle laser pulses generation with frequency tuning in a molecular gas-filled hollow-core fiber. Optics Express, 2015, 23, 17711.	1.7	4
51	Discussion of the possible formation mechanism of near-wavelength ripples on silicon induced by femtosecond laser. Applied Physics A: Materials Science and Processing, 2015, 118, 1119-1125.	1.1	6
52	Formation of Bi₂ZnB₂O₇ Nanocrystals in ZnOâ€“Bi₂O₃â€“B₂O₃ Glass Induced by Femtosecond Laser. Journal of the American Ceramic Society, 2015, 98, 408-412.	1.9	9
53	Second Harmonic Generations of Ferroelastic <I>Î²</I>â€²-Dy₂(MoO₄)₃ Crystal in Glass Induced by Femtosecond Laser Irradiation. Science of Advanced Materials, 2015, 7, 1838-1842.	0.1	0
54	Femtosecond parabolic pulse nonlinear compression with gas-filled hollow-core fiber. Chinese Physics B, 2014, 23, 124210.	0.7	6

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55	Self-organized voids revisited: Experimental verification of the formation mechanism. Chinese Physics B, 2014, 23, 077901.	0.7	0
56	Generation of individually modulated femtosecond pulse string by multilayer volume holographic gratings. Optics Express, 2014, 22, 26128.	1.7	7
57	Periodical energy oscillation and pulse splitting in sinusoidal volume holographic grating. Optics Express, 2014, 22, 18527.	1.7	5
58	Forced rotation of nanograting in glass by pulse-front tilted femtosecond laser direct writing. Optics Express, 2014, 22, 28500.	1.7	16
59	Temporal diffraction characteristics of transmitted multilayer volume holographic grating illuminated by an ultrashort pulse. Optik, 2014, 125, 3231-3236.	1.4	1
60	Formation of nanostructures by an intense femtosecond pulse laser irradiating Au film on sapphire substrate. Applied Physics A: Materials Science and Processing, 2014, 114, 1031-1037.	1.1	4
61	Wavelength response and thermal stability of embedded nanograting structure light attenuator fabricated by direct femtosecond laser writing. Applied Physics B: Lasers and Optics, 2014, 117, 53-58.	1.1	10
62	Analysis of electron momentum relaxation time in fused silica using a tightly focused femtosecond laser pulse. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 074209.	0.2	0
63	Generation of femtosecond double pulse by adjusting the refractive index modulation of volume holographic grating. Applied Physics B: Lasers and Optics, 2013, 112, 67-72.	1.1	2
64	Fabrication of polarization-dependent light attenuator in fused silica using a low-repetition-rate femtosecond laser. Optics Letters, 2013, 38, 2212.	1.7	22
65	Femtosecond pulse shaping by modulating the refractive index modulation of volume holographic grating. Optics Express, 2013, 21, 7560.	1.7	6
66	Polarization dependence of the self-organized microgratings induced in SrTiO_3 crystal by a single femtosecond laser beam. Optics Express, 2013, 21, 18461.	1.7	6
67	Pulse splitting by modulating the thickness of buffer layer of two-layer volume holographic grating. Optics Express, 2013, 21, 31852.	1.7	3
68	Femtosecond laser induced rotated 3D self-organized nanograting in fused silica. Optics Express, 2012, 20, 18072.	1.7	24
69	Crystalline phase distribution of Dy_2(MoO_4)_3 in glass induced by 250 kHz femtosecond laser irradiation. Optical Materials Express, 2012, 2, 1156.	1.6	16
70	The effect of spherical aberration on temperature distribution inside glass by irradiation of a high repetition rate femtosecond pulse laser. Chinese Physics B, 2012, 21, 025201.	0.7	4
71	All optical parallel-to-serial conversion by modified spectral holography structure. Applied Physics B: Lasers and Optics, 2012, 108, 153-158.	1.1	1
72	One-pot synthesis of luminescent hydrophilic silicon nanocrystals. RSC Advances, 2012, 2, 8254.	1.7	20

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73	Femtosecond laser nanostructuring of silver film. Applied Physics A: Materials Science and Processing, 2012, 106, 567-574.	1.1	35
74	Crystallization of amorphous silicon film induced by a near-infrared femtosecond laser. Hongwai Yu Haomibo Xuebao/Journal of Infrared and Millimeter Waves, 2012, 30, 202-206.	0.2	0
75	Surface passivated silicon nanocrystals with stable luminescence synthesized by femtosecond laser ablation in solution. Physical Chemistry Chemical Physics, 2011, 13, 20255.	1.3	77
76	Formation of Si nanocrystals in glass by femtosecond laser micromachining. Materials Letters, 2011, 65, 3544-3547.	1.3	9
77	High repetition rate femtosecond laser irradiation-induced elements redistribution in Ag-doped glass. Applied Physics B: Lasers and Optics, 2011, 103, 663-667.	1.1	22
78	Anomalous transmission of terahertz wave through one-dimensional lamellar metallic grating. Optics Communications, 2011, 284, 2415-2419.	1.0	11
79	Surface-enhanced Raman scattering in femtosecond laser-nanostructured Ag substrate. Journal of Physics: Conference Series, 2011, 276, 012015.	0.3	2
80	Crystallization of 21.25Gd2O3â€“63.75MoO3â€“15B2O3 glass induced by femtosecond laser at the repetition rate of 250kHz. Applied Surface Science, 2010, 257, 1185-1188.	3.1	7
81	Wavelength multiplexing and demultiplexing with one single volume hologram in photorefractive crystal. Journal of Modern Optics, 2010, 57, 1624-1629.	0.6	0
82	Direct precipitation of silver nanoparticles induced by a high repetition femtosecond laser. Materials Letters, 2009, 63, 151-153.	1.3	24
83	Coherent linking of periodic nano-ripples on a ZnO crystal surface induced by femtosecond laser pulses. Applied Physics A: Materials Science and Processing, 2009, 94, 423-426.	1.1	22
84	Micromodification of element distribution in glass using femtosecond laser irradiation. Optics Letters, 2009, 34, 136.	1.7	88
85	Greatly enhanced effect of silver on femtosecond laser-induced precipitation of nonlinear optical crystals in glasses. Optics Letters, 2009, 34, 1666.	1.7	12
86	Femtosecond laser writing of Er^3+-doped CaF_2 crystalline patterns in glass. Optics Letters, 2009, 34, 3433.	1.7	24
87	Femtosecond laser-induced color change and filamentation in Ag+-doped silicate glass. Chinese Optics Letters, 2009, 7, 329-331.	1.3	1
88	Femtosecond Laser Induced Ba₂TiSi₂O₈ Crystal Precipitation in Glass. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2009, 24, 769-772.	0.6	1
89	Femtosecond laser direct writing of TiO2 crystalline patterns inÂglass. Applied Physics B: Lasers and Optics, 2008, 93, 613-617.	1.1	16
90	Femtosecond laser induced coordination transformation and migration of ions in sodium borate glasses. Applied Physics Letters, 2008, 92, .	1.5	47

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91	Phase Stabilization and Phonon Properties of Single Crystalline Rhombohedral Indium Oxide. Crystal Growth and Design, 2008, 8, 1257-1260.	1.4	118
92	Direct writing Eu3+-doped Ba2TiSi2O8 crystalline pattern by femtosecond laser irradiation. Journal of Alloys and Compounds, 2008, 460, 590-593.	2.8	18
93	Femtosecond laser-induced oriented precipitation of Ba_2TiGe_2O_8 crystals in glass. Optics Express, 2008, 16, 3912.	1.7	45
94	Formation mechanism of self-organized voids in dielectrics induced by tightly focused femtosecond laser pulses. Applied Physics Letters, 2008, 92, .	1.5	57
95	Self-formation of quasiperiodic void structure in CaF2 induced by femtosecond laser irradiation. Journal of Applied Physics, 2007, 101, 023112.	1.1	14
96	Femtosecond laser induced space-selective precipitation of nonlinear optical crystals in rare-earth-doped glasses. Optics Express, 2007, 15, 6069.	1.7	44
97	Direct writing three-dimensional Ba2TiSi2O8 crystalline pattern in glass with ultrashort pulse laser. Applied Physics Letters, 2007, 90, 181109.	1.5	69
98	Fluorescent Ag nanoclusters in glass induced by an infrared femtosecond laser. Chemical Physics Letters, 2007, 439, 81-84.	1.2	56
99	Space-selective precipitation of functional crystals in glass by using a high repetition rate femtosecond laser. Chemical Physics Letters, 2007, 443, 253-257.	1.2	46
100	Distribution of the microcrystallites generated in borate glass irradiated by femtosecond laser pulses. Materials Letters, 2007, 61, 2338-2342.	1.3	3
101	Raman study of phase transformation of TiO2 rutile single crystal irradiated by infrared femtosecond laser. Applied Surface Science, 2007, 253, 7497-7500.	3.1	275
102	Effect of cerium oxide on the precipitation of silver nanoparticles in femtosecond laser irradiated silicate glass. Applied Physics B: Lasers and Optics, 2006, 84, 501-505.	1.1	11