

Ye Dai

List of Publications by Year in descending order

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102
papers

1,765
citations

331538

21
h-index

315616

38
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102
all docs

102
docs citations

102
times ranked

2084
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Raman study of phase transformation of TiO ₂ rutile single crystal irradiated by infrared femtosecond laser. Applied Surface Science, 2007, 253, 7497-7500. | 3.1 | 275 |
| 2 | Phase Stabilization and Phonon Properties of Single Crystalline Rhombohedral Indium Oxide. Crystal Growth and Design, 2008, 8, 1257-1260. | 1.4 | 118 |
| 3 | Micromodification of element distribution in glass using femtosecond laser irradiation. Optics Letters, 2009, 34, 136. | 1.7 | 88 |
| 4 | Surface passivated silicon nanocrystals with stable luminescence synthesized by femtosecond laser ablation in solution. Physical Chemistry Chemical Physics, 2011, 13, 20255. | 1.3 | 77 |
| 5 | Direct writing three-dimensional Ba ₂ TiSi ₂ O ₈ crystalline pattern in glass with ultrashort pulse laser. Applied Physics Letters, 2007, 90, 181109. | 1.5 | 69 |
| 6 | Formation mechanism of self-organized voids in dielectrics induced by tightly focused femtosecond laser pulses. Applied Physics Letters, 2008, 92, . | 1.5 | 57 |
| 7 | Fluorescent Ag nanoclusters in glass induced by an infrared femtosecond laser. Chemical Physics Letters, 2007, 439, 81-84. | 1.2 | 56 |
| 8 | Femtosecond laser induced coordination transformation and migration of ions in sodium borate glasses. Applied Physics Letters, 2008, 92, . | 1.5 | 47 |
| 9 | 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 |
| 10 | Femtosecond laser-induced oriented precipitation of Ba ₂ TiGe ₂ O ₈ crystals in glass. Optics Express, 2008, 16, 3912. | 1.7 | 45 |
| 11 | Femtosecond laser induced space-selective precipitation of nonlinear optical crystals in rare-earth-doped glasses. Optics Express, 2007, 15, 6069. | 1.7 | 44 |
| 12 | Void-nanograting transition by ultrashort laser pulse irradiation in silica glass. Optics Express, 2016, 24, 19344. | 1.7 | 36 |
| 13 | Femtosecond laser nanostructuring of silver film. Applied Physics A: Materials Science and Processing, 2012, 106, 567-574. | 1.1 | 35 |
| 14 | A Universal Photochemical Approach to Ultra-small, Well-dispersed Nanoparticle/Reduced Graphene Oxide Hybrids with Enhanced Nonlinear Optical Properties. Advanced Optical Materials, 2015, 3, 836-841. | 3.6 | 31 |
| 15 | Direct precipitation of silver nanoparticles induced by a high repetition femtosecond laser. Materials Letters, 2009, 63, 151-153. | 1.3 | 24 |
| 16 | Femtosecond laser writing of Er ³⁺ -doped CaF ₂ crystalline patterns in glass. Optics Letters, 2009, 34, 3433. | 1.7 | 24 |
| 17 | Femtosecond laser induced rotated 3D self-organized nanograting in fused silica. Optics Express, 2012, 20, 18072. | 1.7 | 24 |
| 18 | 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 |

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|----|---|-----|-----------|
| 19 | Coherent linking of periodic nano-ripples on a ZnO crystal surface induced by femtosecond laser pulses. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 94, 423-426. | 1.1 | 22 |
| 20 | High repetition rate femtosecond laser irradiation-induced elements redistribution in Ag-doped glass. <i>Applied Physics B: Lasers and Optics</i> , 2011, 103, 663-667. | 1.1 | 22 |
| 21 | Fabrication of polarization-dependent light attenuator in fused silica using a low-repetition-rate femtosecond laser. <i>Optics Letters</i> , 2013, 38, 2212. | 1.7 | 22 |
| 22 | Flexible, planar integratable and all-solid-state micro-supercapacitors based on nanoporous gold/manganese oxide hybrid electrodes via template plasma etching method. <i>Journal of Alloys and Compounds</i> , 2018, 739, 979-986. | 2.8 | 22 |
| 23 | Terahertz probe of nonequilibrium carrier dynamics and ultrafast photocurrents in the topological insulator Sb ₂ Te ₃ . <i>Applied Physics Letters</i> , 2021, 118, . | 1.5 | 21 |
| 24 | One-pot synthesis of luminescent hydrophilic silicon nanocrystals. <i>RSC Advances</i> , 2012, 2, 8254. | 1.7 | 20 |
| 25 | Direct writing Eu ³⁺ -doped Ba ₂ TiSi ₂ O ₈ crystalline pattern by femtosecond laser irradiation. <i>Journal of Alloys and Compounds</i> , 2008, 460, 590-593. | 2.8 | 18 |
| 26 | Fiber nanogratings induced by femtosecond pulse laser direct writing for in-line polarizer. <i>Nanoscale</i> , 2019, 11, 908-914. | 2.8 | 18 |
| 27 | Femtosecond laser direct writing of TiO ₂ crystalline patterns in glass. <i>Applied Physics B: Lasers and Optics</i> , 2008, 93, 613-617. | 1.1 | 16 |
| 28 | Crystalline phase distribution of Dy ₂ (MoO ₄) ₃ in glass induced by 250 kHz femtosecond laser irradiation. <i>Optical Materials Express</i> , 2012, 2, 1156. | 1.6 | 16 |
| 29 | Forced rotation of nanograting in glass by pulse-front tilted femtosecond laser direct writing. <i>Optics Express</i> , 2014, 22, 28500. | 1.7 | 16 |
| 30 | Changes in wetting and contact charge transfer by femtosecond laser-ablation of polyimide. <i>Applied Surface Science</i> , 2015, 349, 952-956. | 3.1 | 15 |
| 31 | Effect of sodium oxide content on the formation of nanogratings in germanate glass by a femtosecond laser. <i>Optics Express</i> , 2018, 26, 12761. | 1.7 | 15 |
| 32 | Self-formation of quasiperiodic void structure in CaF ₂ induced by femtosecond laser irradiation. <i>Journal of Applied Physics</i> , 2007, 101, 023112. | 1.1 | 14 |
| 33 | Surface birefringence of self-assembly periodic nanostructures induced on 6H-SiC surface by femtosecond laser. <i>Applied Surface Science</i> , 2016, 363, 664-669. | 3.1 | 14 |
| 34 | Photosensitivity of barium germano-gallate glasses under femtosecond laser direct writing for Mid-IR applications. <i>Ceramics International</i> , 2021, 47, 34235-34241. | 2.3 | 14 |
| 35 | Controlling terahertz radiation with subwavelength blocky patterned CoFeB/Pt heterostructures. <i>Applied Physics Express</i> , 2019, 12, 122003. | 1.1 | 13 |
| 36 | Anti-reflective and anticorrosive properties of laser-etched titanium sheet in different media. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1. | 1.1 | 13 |

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|----|---|-----|-----------|
| 37 | Greatly enhanced effect of silver on femtosecond laser-induced precipitation of nonlinear optical crystals in glasses. <i>Optics Letters</i> , 2009, 34, 1666. | 1.7 | 12 |
| 38 | Laser-induced periodic surface structures on 6H-SiC single crystals using temporally delayed femtosecond laser double-pulse trains. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1. | 1.1 | 12 |
| 39 | Dark mode tailored electromagnetically induced transparency in terahertz metamaterials. <i>Applied Physics B: Lasers and Optics</i> , 2019, 125, 1. | 1.1 | 12 |
| 40 | Effect of cerium oxide on the precipitation of silver nanoparticles in femtosecond laser irradiated silicate glass. <i>Applied Physics B: Lasers and Optics</i> , 2006, 84, 501-505. | 1.1 | 11 |
| 41 | Anomalous transmission of terahertz wave through one-dimensional lamellar metallic grating. <i>Optics Communications</i> , 2011, 284, 2415-2419. | 1.0 | 11 |
| 42 | Evolution of polarization dependent microstructures induced by high repetition rate femtosecond laser irradiation in glass. <i>Optics Express</i> , 2016, 24, 21353. | 1.7 | 11 |
| 43 | Evolution of self-organized nanograting from the pre-induced nanocrack-assisted plasma laser coupling in sapphire. <i>Applied Physics B: Lasers and Optics</i> , 2021, 127, 1. | 1.1 | 11 |
| 44 | Wavelength response and thermal stability of embedded nanograting structure light attenuator fabricated by direct femtosecond laser writing. <i>Applied Physics B: Lasers and Optics</i> , 2014, 117, 53-58. | 1.1 | 10 |
| 45 | A strategy for fabrication of controllable 3D pattern containing clusters and nanoparticles inside a solid material. <i>Nanoscale</i> , 2017, 9, 9083-9088. | 2.8 | 10 |
| 46 | Formation of Si nanocrystals in glass by femtosecond laser micromachining. <i>Materials Letters</i> , 2011, 65, 3544-3547. | 1.3 | 9 |
| 47 | Formation of $\text{Bi}_{2-x}\text{ZnB}_{2-x}\text{O}_{7-x}$ Nanocrystals in $\text{ZnO}-\text{Bi}_{2-x}\text{O}_{3-x}$ Glass Induced by Femtosecond Laser. <i>Journal of the American Ceramic Society</i> , 2015, 98, 408-412. | 1.9 | 9 |
| 48 | Femtosecond laser-induced structural difference in fused silica with a non-reciprocal writing process. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1. | 1.1 | 9 |
| 49 | Formation of nanograting in fused silica by temporally delayed femtosecond double-pulse irradiation. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 155101. | 1.3 | 9 |
| 50 | Design of intense 15-cycle pulses generation at 36 μm through a pressure gradient hollow-core fiber. <i>Optics Express</i> , 2016, 24, 9280. | 1.7 | 8 |
| 51 | The three-level ripples induced by femtosecond laser on a 6H-SiC single crystal and the formation mechanism. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1. | 1.1 | 8 |
| 52 | Crystallization of $21.25\text{Gd}_2\text{O}_3-63.75\text{MoO}_3-15\text{B}_2\text{O}_3$ glass induced by femtosecond laser at the repetition rate of 250kHz. <i>Applied Surface Science</i> , 2010, 257, 1185-1188. | 3.1 | 7 |
| 53 | Generation of individually modulated femtosecond pulse string by multilayer volume holographic gratings. <i>Optics Express</i> , 2014, 22, 26128. | 1.7 | 7 |
| 54 | Femtosecond laser induced space-selective precipitation of Cr^{3+} -doped ZnAl_2O_4 crystal in glass. <i>Journal of Alloys and Compounds</i> , 2017, 699, 243-246. | 2.8 | 7 |

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|----|---|-----|-----------|
| 55 | Effect of scanning velocity on femtosecond laser-induced periodic surface structures on HgCdTe crystal. <i>Applied Surface Science</i> , 2017, 425, 307-313. | 3.1 | 7 |
| 56 | Manipulation of self-organized nanograting for erasing and rewriting by ultrashort double-pulse sequences irradiation in fused silica. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 165106. | 1.3 | 7 |
| 57 | Ripple period adjustment on SiC surface based on electron dynamics control and its polarization anisotropy. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1. | 1.1 | 7 |
| 58 | Temperature dependence of the spectral properties of Yb ³⁺ /P ⁵⁺ /Al ³⁺ co-doped silica fiber core glasses. <i>Optical Materials Express</i> , 2021, 11, 2459. | 1.6 | 7 |
| 59 | Coherent terahertz radiation via ultrafast manipulation of spin currents in ferromagnetic heterostructures. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2018, 67, 197202. | 0.2 | 7 |
| 60 | Femtosecond pulse shaping by modulating the refractive index modulation of volume holographic grating. <i>Optics Express</i> , 2013, 21, 7560. | 1.7 | 6 |
| 61 | Polarization dependence of the self-organized microgratings induced in SrTiO ₃ crystal by a single femtosecond laser beam. <i>Optics Express</i> , 2013, 21, 18461. | 1.7 | 6 |
| 62 | Femtosecond parabolic pulse nonlinear compression with gas-filled hollow-core fiber. <i>Chinese Physics B</i> , 2014, 23, 124210. | 0.7 | 6 |
| 63 | Discussion of the possible formation mechanism of near-wavelength ripples on silicon induced by femtosecond laser. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 118, 1119-1125. | 1.1 | 6 |
| 64 | Long persistent luminescence in Mn ²⁺ -activated sodium gallium germanate glass and glass ceramics induced by infrared femtosecond laser pulses. <i>Optical Materials Express</i> , 2016, 6, 2380. | 1.6 | 6 |
| 65 | Important effect of Pt modification at the collector/active material interface of flexible micro-supercapacitors. <i>Applied Surface Science</i> , 2018, 456, 410-418. | 3.1 | 6 |
| 66 | Recording, erasing, and rewriting of ripples on metal surfaces by ultrashort laser pulses. <i>Optics Letters</i> , 2018, 43, 1778. | 1.7 | 6 |
| 67 | Influence of buffer layer and grating layer on diffraction of multilayer volume holographic grating. <i>Applied Physics B: Lasers and Optics</i> , 2019, 125, 1. | 1.1 | 6 |
| 68 | One-step precipitation of stable perovskite CsPbBr ₃ quantum dots in silicate glass by picosecond laser pulses. <i>Optical Materials Express</i> , 2022, 12, 2260. | 1.6 | 6 |
| 69 | Periodical energy oscillation and pulse splitting in sinusoidal volume holographic grating. <i>Optics Express</i> , 2014, 22, 18527. | 1.7 | 5 |
| 70 | Tuning the central wavelength by hundreds of nanometers using ultrafast molecular phase modulation. <i>Physical Review A</i> , 2015, 91, . | 1.0 | 5 |
| 71 | Field-free orientation of CO molecules induced by a chirped pulse. <i>Chemical Physics Letters</i> , 2015, 627, 53-57. | 1.2 | 5 |
| 72 | Spectral and spatial resolving of photoelectric property of femtosecond laser drilled holes of GaSb _{1-x} Bi _x . <i>Optics Letters</i> , 2015, 40, 3392. | 1.7 | 5 |

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|----|--|-----|-----------|
| 73 | Title is missing!. Chinese Optics Letters, 2019, 17, 081402. | 1.3 | 5 |
| 74 | 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 |
| 75 | 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 |
| 76 | Few-cycle laser pulses generation with frequency tuning in a molecular gas-filled hollow-core fiber. Optics Express, 2015, 23, 17711. | 1.7 | 4 |
| 77 | Theory of polarizing beam splitter based on pendulum effect in volume holographic grating. Optik, 2018, 162, 126-132. | 1.4 | 4 |
| 78 | Distribution of the microcrystallites generated in borate glass irradiated by femtosecond laser pulses. Materials Letters, 2007, 61, 2338-2342. | 1.3 | 3 |
| 79 | Pulse splitting by modulating the thickness of buffer layer of two-layer volume holographic grating. Optics Express, 2013, 21, 31852. | 1.7 | 3 |
| 80 | Bubble Generation in Germanate Glass Induced by Femtosecond Laser. Chinese Physics Letters, 2016, 33, 036101. | 1.3 | 3 |
| 81 | 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 |
| 82 | Temperature Dependence of Absorption and Energy Transfer Efficiency of Er ³⁺ /Yb ³⁺ /P ⁵⁺ Co-Doped Silica Fiber Core Glasses. Materials, 2022, 15, 996. | 1.3 | 3 |
| 83 | Surface-enhanced Raman scattering in femtosecond laser-nanostructured Ag substrate. Journal of Physics: Conference Series, 2011, 276, 012015. | 0.3 | 2 |
| 84 | 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 |
| 85 | 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 |
| 86 | Generation of femtosecond dual pulses by a transverse standing wave in a volume holographic grating. Chinese Optics Letters, 2019, 17, 113201. | 1.3 | 2 |
| 87 | Femtosecond laser-induced color change and filamentation in Ag ⁺ -doped silicate glass. Chinese Optics Letters, 2009, 7, 329-331. | 1.3 | 1 |
| 88 | All optical parallel-to-serial conversion by modified spectral holography structure. Applied Physics B: Lasers and Optics, 2012, 108, 153-158. | 1.1 | 1 |
| 89 | Temporal diffraction characteristics of transmitted multilayer volume holographic grating illuminated by an ultrashort pulse. Optik, 2014, 125, 3231-3236. | 1.4 | 1 |
| 90 | Temporally chirped femtosecond pulse laser non-reciprocal writing on the silicon. Applied Physics A: Materials Science and Processing, 2021, 127, 1. | 1.1 | 1 |

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| 91 | LIPSS-covered annular ablation region induced on ZnO surface by focusing femtosecond laser beam spatially shaped by bubbles in cedar oil. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1. | 1.1 | 1 |
| 92 | Self-organized nanogratings induced by femtosecond laser pulse direct writing in optical fibers. , 2018, , . | | 1 |
| 93 | Femtosecond Laser Induced Ba₂TiSi₂O₈ Crystal Precipitation in Glass. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2009, 24, 769-772. | 0.6 | 1 |
| 94 | Influence of GeO ₂ Content on the Spectral and Radiation-Resistant Properties of Yb/Al/Ge Co-Doped Silica Fiber Core Glasses. <i>Materials</i> , 2022, 15, 2235. | 1.3 | 1 |
| 95 | Wavelength multiplexing and demultiplexing with one single volume hologram in photorefractive crystal. <i>Journal of Modern Optics</i> , 2010, 57, 1624-1629. | 0.6 | 0 |
| 96 | Self-organized voids revisited: Experimental verification of the formation mechanism. <i>Chinese Physics B</i> , 2014, 23, 077901. | 0.7 | 0 |
| 97 | Generation of few-cycle laser pulses: Comparison between atomic and molecular gases in a hollow-core fiber. <i>Chinese Physics B</i> , 2016, 25, 074205. | 0.7 | 0 |
| 98 | THz Radiation Modulated by Confinement of Transient Current Based on Patterned CoFeB/Pt Heterostructures. , 2018, , . | | 0 |
| 99 | Crystallization of amorphous silicon film induced by a near-infrared femtosecond laser. <i>Hongwai Yu Haomibo Xuebao/Journal of Infrared and Millimeter Waves</i> , 2012, 30, 202-206. | 0.2 | 0 |
| 100 | Analysis of electron momentum relaxation time in fused silica using a tightly focused femtosecond laser pulse. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2014, 63, 074209. | 0.2 | 0 |
| 101 | Second Harmonic Generations of Ferroelastic MoO_4 Crystal in Glass Induced by Femtosecond Laser Irradiation. <i>Science of Advanced Materials</i> , 2015, 7, 1838-1842. | 0.1 | 0 |
| 102 | Photoinduced charge carrier dynamics and spectral band filling in organometal halide perovskites. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019, 68, 018401. | 0.2 | 0 |