

Marc Hanna

List of Publications by Year in descending order

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179
papers

2,569
citations

186265

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233421

45
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182
all docs

182
docs citations

182
times ranked

1697
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Coherent beam combining of two femtosecond fiber chirped-pulse amplifiers. Optics Letters, 2011, 36, 621. | 3.3 | 102 |
| 2 | Microjoule femtosecond fiber laser at 16 μm for corneal surgery applications. Optics Letters, 2009, 34, 1991. | 3.3 | 101 |
| 3 | Dual-color deep-tissue three-photon microscopy with a multiband infrared laser. Light: Science and Applications, 2018, 7, 12. | 16.6 | 91 |
| 4 | Nonlinear temporal compression in multipass cells: theory. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 1340. | 2.1 | 90 |
| 5 | Continuous-wave and femtosecond laser operation of Yb:CaGdAlO ₄ under high-power diode pumping. Optics Letters, 2007, 32, 1962. | 3.3 | 87 |
| 6 | Nonlinear pulse compression based on a gas-filled multipass cell. Optics Letters, 2018, 43, 2252. | 3.3 | 83 |
| 7 | Femtosecond fiber chirped- and divided-pulse amplification system. Optics Letters, 2013, 38, 106. | 3.3 | 82 |
| 8 | Stretcher-free high energy nonlinear amplification of femtosecond pulses in rod-type fibers. Optics Letters, 2008, 33, 107. | 3.3 | 80 |
| 9 | Visible supercontinuum generation controlled by intermodal four-wave mixing in microstructured fiber. Optics Letters, 2007, 32, 2173. | 3.3 | 71 |
| 10 | Electro-optical chaos for multi-10 ⁶ Gbit/s optical transmissions. Electronics Letters, 2004, 40, 898. | 1.0 | 67 |
| 11 | Generation of 63 fs 41 MW peak power pulses from a parabolic fiber amplifier operated beyond the gain bandwidth limit. Optics Letters, 2007, 32, 2520. | 3.3 | 65 |
| 12 | Diode-pumped 99 fs Yb:CaF ₂ oscillator. Optics Letters, 2009, 34, 1474. | 3.3 | 64 |
| 13 | Ultrashort pulse laser surgery of the cornea and the sclera. Journal of Optics (United Kingdom), 2010, 12, 084002. | 2.2 | 56 |
| 14 | Coherent beam combining with an ultrafast multicore Yb-doped fiber amplifier. Optics Express, 2015, 23, 5406. | 3.4 | 51 |
| 15 | Supercontinuum-seeded few-cycle mid-infrared OPCPA system. Optics Express, 2016, 24, 26494. | 3.4 | 49 |
| 16 | High-energy few-cycle Yb-doped fiber amplifier source based on a single nonlinear compression stage. Optics Express, 2017, 25, 7530. | 3.4 | 49 |
| 17 | Fiber optical parametric chirped-pulse amplification in the femtosecond regime. Optics Express, 2006, 14, 2783. | 3.4 | 48 |
| 18 | Complete measurement of fiber modal content by wavefront analysis. Optics Express, 2012, 20, 4074. | 3.4 | 46 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | High-power two-cycle ultrafast source based on hybrid nonlinear compression. Optics Express, 2019, 27, 1958. | 3.4 | 42 |
| 20 | Low-repetition-rate femtosecond operation in extended-cavity mode-locked Yb:CALGO laser. Optics Letters, 2009, 34, 196. | 3.3 | 40 |
| 21 | Passive coherent beam combining of two femtosecond fiber chirped-pulse amplifiers. Optics Letters, 2011, 36, 4023. | 3.3 | 38 |
| 22 | High peak-power stretcher-free femtosecond fiber amplifier using passive spatio-temporal coherent combining. Optics Express, 2012, 20, 21627. | 3.4 | 38 |
| 23 | Nonlinear compression of high energy fiber amplifier pulses in air-filled hypocycloid-core Kagome fiber. Optics Express, 2015, 23, 7416. | 3.4 | 38 |
| 24 | Phase and amplitude control of a multimode LMA fiber beam by use of digital holography. Optics Express, 2009, 17, 13000. | 3.4 | 36 |
| 25 | From Flow to Map in an Experimental High-Dimensional Electro-Optic Nonlinear Delay Oscillator. Physical Review Letters, 2005, 95, 043903. | 7.8 | 33 |
| 26 | Energy scaling of a nonlinear compression setup using passive coherent combining. Optics Letters, 2013, 38, 4437. | 3.3 | 33 |
| 27 | Passive coherent combination of two ultrafast rod type fiber chirped pulse amplifiers. Optics Letters, 2012, 37, 1460. | 3.3 | 32 |
| 28 | Soliton optical phase control by use of in-line filters. Optics Letters, 1999, 24, 732. | 3.3 | 31 |
| 29 | Hybrid master oscillator power amplifier high-power narrow-linewidth nanosecond laser source at 257Ånm. Optics Letters, 2013, 38, 995. | 3.3 | 28 |
| 30 | Orbital angular momentum from semiconductor high-order harmonics. Optics Letters, 2019, 44, 546. | 3.3 | 28 |
| 31 | High-energy chirped- and divided-pulse Sagnac femtosecond fiber amplifier. Optics Letters, 2015, 40, 89. | 3.3 | 27 |
| 32 | Nonlinear Optics in Multipass Cells. Laser and Photonics Reviews, 2021, 15, 2100220. | 8.7 | 27 |
| 33 | Third-order spectral phase compensation in parabolic pulse compression. Optics Express, 2007, 15, 9372. | 3.4 | 26 |
| 34 | Mode-locked operation of a diode-pumped femtosecond Yb:SrF ₂ laser. Optics Letters, 2009, 34, 2354. | 3.3 | 25 |
| 35 | Passive coherent combining of CEP-stable few-cycle pulses from a temporally divided hollow fiber compressor. Optics Letters, 2015, 40, 709. | 3.3 | 25 |
| 36 | Coherent combination of ultrafast fiber amplifiers. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 062004. | 1.5 | 25 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Self-compression in a multipass cell. <i>Optics Letters</i> , 2018, 43, 5643. | 3.3 | 25 |
| 38 | Enhanced extreme ultraviolet high-harmonic generation from chromium-doped magnesium oxide. <i>Applied Physics Letters</i> , 2021, 118, . | 3.3 | 22 |
| 39 | Multipass cells: 1D numerical model and investigation of spatio-spectral couplings at high nonlinearity. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020, 37, 993. | 2.1 | 22 |
| 40 | Optical pulse generation using soliton-assisted time-lens compression. <i>Optics Express</i> , 2005, 13, 1743. | 3.4 | 21 |
| 41 | ICAN as a new laser paradigm for high energy, high average power femtosecond pulses. <i>European Physical Journal: Special Topics</i> , 2014, 223, 1189-1195. | 2.6 | 21 |
| 42 | Distributed nonlinear fiber chirped-pulse amplifier system. <i>Optics Express</i> , 2009, 17, 10835. | 3.4 | 19 |
| 43 | Wavefront control of a multicore ytterbium-doped pulse fiber amplifier by digital holography. <i>Optics Letters</i> , 2010, 35, 1428. | 3.3 | 19 |
| 44 | Compensation of Gain Narrowing by Self-Phase Modulation in High-Energy Ultrafast Fiber Chirped-Pulse Amplifiers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2009, 15, 182-186. | 2.9 | 18 |
| 45 | Nonlinear compression in a rod-type fiber for high energy ultrashort pulse generation. <i>Optics Express</i> , 2009, 17, 11155. | 3.4 | 17 |
| 46 | Spectral and spatial full-bandwidth correlation analysis of bulk-generated supercontinuum in the mid-infrared. <i>Optics Letters</i> , 2015, 40, 673. | 3.3 | 17 |
| 47 | Compact, simple, and robust cross polarized wave generation source of few-cycle, high-contrast pulses for seeding petawatt-class laser systems. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013, 30, 2607. | 2.1 | 16 |
| 48 | Calculation of optical phase jitter in dispersion-managed systems by use of the moment method. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2004, 21, 24. | 2.1 | 15 |
| 49 | Enhanced nonlinear interaction in a microcavity under coherent excitation. <i>Optics Express</i> , 2015, 23, 29964. | 3.4 | 15 |
| 50 | Broad-band and ultrasensitive pulse characterization using frequency-resolved optical gating via four-wave mixing in a semiconductor optical amplifier. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 157-159. | 2.5 | 14 |
| 51 | Efficient versatile-repetition-rate picosecond source for material processing applications. <i>Applied Optics</i> , 2008, 47, 967. | 2.1 | 14 |
| 52 | Analysis of Limitations in Divided-Pulse Nonlinear Compression and Amplification. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014, 20, 619-623. | 2.9 | 14 |
| 53 | High Repetition Rate Yb:CaF ₂ Multipass Amplifiers Operating in the 100-μm Range. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015, 21, 464-474. | 2.9 | 14 |
| 54 | Coherent beam combining of a narrow-linewidth long-pulse Er ³⁺ -doped multicore fiber amplifier. <i>Optics Express</i> , 2017, 25, 9528. | 3.4 | 14 |

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|----|---|-----|-----------|
| 55 | Impact of spectral phase mismatch on femtosecond coherent beam combining systems. Optics Letters, 2012, 37, 650. | 3.3 | 13 |
| 56 | Two-channel pulse synthesis to overcome gain narrowing in femtosecond fiber amplifiers. Optics Letters, 2013, 38, 5430. | 3.3 | 13 |
| 57 | Single-stage few-cycle nonlinear compression of millijoule energy Ti:Sa femtosecond pulses in a multipass cell. Optics Letters, 2021, 46, 5264. | 3.3 | 13 |
| 58 | CEP-stable high-energy ytterbium-doped fiber amplifier. Optics Letters, 2019, 44, 3909. | 3.3 | 13 |
| 59 | Enhanced intrapulse difference frequency generation in the mid-infrared by a spectrally dependent polarization state. Optics Letters, 2022, 47, 261. | 3.3 | 13 |
| 60 | Ultra-broadband THz pulses with electric field amplitude exceeding 100 kV/cm at a 200 kHz repetition rate. Optics Express, 2022, 30, 15556. | 3.4 | 13 |
| 61 | Microcavity-enhanced surface-emitted second-harmonic generation for ultrafast all-optical signal processing. IEEE Journal of Quantum Electronics, 2002, 38, 19-30. | 1.9 | 12 |
| 62 | New Yb-doped crystals for high-power and ultrashort lasers. , 2006, , . | | 12 |
| 63 | Impact of self-phase modulation on coherently combined fiber chirped-pulse amplifiers. Optics Letters, 2010, 35, 1293. | 3.3 | 12 |
| 64 | Spatio-spectral structures in high harmonic generation driven by tightly focused high repetition rate lasers. Journal of the Optical Society of America B: Optical Physics, 2018, 35, A6. | 2.1 | 12 |
| 65 | Experimental investigation of soliton optical phase jitter. IEEE Journal of Quantum Electronics, 2000, 36, 1333-1338. | 1.9 | 11 |
| 66 | Performance assessment of DPSK soliton transmission system. Electronics Letters, 2001, 37, 644. | 1.0 | 11 |
| 67 | Spectral method for the simultaneous determination of uncorrelated and correlated amplitude and timing jitter. Applied Physics Letters, 2002, 80, 3694-3696. | 3.3 | 11 |
| 68 | Rear-side resonator architecture for the passive coherent combining of high-brightness laser diodes. Optics Letters, 2016, 41, 950. | 3.3 | 11 |
| 69 | Temporal cleaning of a high-energy fiber-based ultrafast laser using cross-polarized wave generation. Optics Letters, 2011, 36, 1830. | 3.3 | 10 |
| 70 | Coherent beam combining architectures for high power tapered laser arrays. , 2017, , . | | 10 |
| 71 | Nonlinear beam matching to gas-filled multipass cells. OSA Continuum, 2021, 4, 732. | 1.8 | 10 |
| 72 | Hybrid pulse propagation model and quasi-phase-matched four-wave mixing in multipass cells. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 2982. | 2.1 | 10 |

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|----|---|-----|-----------|
| 73 | Alternate Multiwavelength Modelocked Fiber Laser. IEEE Photonics Technology Letters, 2004, 16, 1816-1818. | 2.5 | 9 |
| 74 | Active spectral phase control by use of an acousto-optic programmable filter in high-repetition-rate sub-80 fs nonlinear fiber amplifiers. Optics Letters, 2008, 33, 1431. | 3.3 | 9 |
| 75 | Simple and general method to calculate the dispersion properties of complex and aberrated stretchers-compressors. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 754. | 2.1 | 9 |
| 76 | Picosecond polarized supercontinuum generation controlled by intermodal four-wave mixing for fluorescence lifetime imaging microscopy. Optics Express, 2008, 16, 18844. | 3.4 | 9 |
| 77 | Two-port vectorial terahertz electro-optic sampling system. Applied Physics Letters, 2008, 92, . | 3.3 | 9 |
| 78 | Raman wavelength conversion in a multipass cell. Optics Letters, 2021, 46, 3380. | 3.3 | 9 |
| 79 | Reduction of phase jitter in dispersion-managed systems by in-line filtering. Optics Letters, 2004, 29, 688. | 3.3 | 8 |
| 80 | Hybrid high-energy high-power pulsewidth-tunable picosecond source. Optics Letters, 2015, 40, 5184. | 3.3 | 8 |
| 81 | Spectral compression in a multipass cell. Optics Express, 2020, 28, 21571. | 3.4 | 8 |
| 82 | Reduction of power fluctuations in ultrafast optically time-division-multiplexed pulse trains by use of a nonlinear amplifying loop mirror. IEEE Photonics Technology Letters, 2002, 14, 690-692. | 2.5 | 7 |
| 83 | Study on the influence of repetition rate and pulse duration on ablation efficiency using a new generation of high power ytterbium doped fiber ultrafast laser. Proceedings of SPIE, 2013, , . | 0.8 | 7 |
| 84 | Generation of interleaved pulses on time-wavelength grid by actively modelocked fibre laser. Electronics Letters, 2004, 40, 901. | 1.0 | 6 |
| 85 | High power femtosecond chirped pulse amplification in large mode area photonic bandgap Bragg fibers. Applied Physics B: Lasers and Optics, 2011, 103, 615-621. | 2.2 | 6 |
| 86 | High average power 600â€‰mJ ultrafast fiber laser for micromachining application. Journal of Laser Applications, 2015, 27, S29301. | 1.7 | 6 |
| 87 | Coherent combining efficiency in strongly saturated divided-pulse amplification systems. Optics Express, 2016, 24, 25329. | 3.4 | 6 |
| 88 | Effect of sliding filters on the soliton optical phase jitter in constant-dispersion systems. Optics Communications, 2004, 231, 181-185. | 2.1 | 5 |
| 89 | Reduction of Gordon-Mollenauer phase noise in dispersion-managed systems using in-line spectral inversion. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 2019. | 2.1 | 5 |
| 90 | High-energy femtosecond fiber laser at 1.6 microns for corneal surgery. , 2010, , . | | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Photonic bandgap fibre oscillators and amplifiers. <i>Optical Fiber Technology</i> , 2010, 16, 419-427. | 2.7 | 4 |
| 92 | Parameters of influence in surface ablation of metals with using a high power tunable ultrafast laser. , 2013, , . | | 4 |
| 93 | Simple carrier-envelope phase control and stabilization scheme for difference frequency generation-based systems. <i>Optics Express</i> , 2021, 29, 16261. | 3.4 | 4 |
| 94 | Microcavity-enhanced surface-emitted second-harmonic generation from 200 fs pulses at 1.5 μm . <i>Applied Physics Letters</i> , 2001, 78, 3406-3408. | 3.3 | 3 |
| 95 | Reduced-bandwidth duobinary differential continuous-phase Modulation format for optical communications. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 1331-1333. | 2.5 | 3 |
| 96 | Frequency conversion from near-infrared to mid-infrared in highly nonlinear optical fibres. , 2010, , . | | 3 |
| 97 | Separate phase-locking and coherent combining of two laser diodes in a Michelson cavity. <i>Proceedings of SPIE</i> , 2015, , . | 0.8 | 3 |
| 98 | Coherent combining architectures for high-brightness laser diodes. , 2017, , . | | 3 |
| 99 | Complete intensity and chirp characterisation of mW peak power ps pulses at 10 μm propagating over 308 μm in fibre recirculation loop. <i>Electronics Letters</i> , 2002, 38, 1696. | 1.0 | 3 |
| 100 | Stabilization of an actively modelocked fibre laser by multi-harmonic phase modulation. <i>Optics Communications</i> , 2005, 256, 394-399. | 2.1 | 2 |
| 101 | Experimental Measurement of Optical Phase Variance in RZ-DPSK Systems Using Direct Detection After Demodulation by an MZDI. <i>IEEE Photonics Technology Letters</i> , 2006, 18, 1990-1992. | 2.5 | 2 |
| 102 | Alternate Multiwavelength Picosecond Pulse Generation by Use of an Unbalanced Mach-Zehnder Interferometer in a Mode-locked Fiber Ring Laser. <i>IEEE Journal of Quantum Electronics</i> , 2007, 43, 85-96. | 1.9 | 2 |
| 103 | Coherent combining of two femtosecond fiber chirped pulse amplifiers. , 2011, , . | | 2 |
| 104 | High-power operation of coherently coupled tapered laser diodes in an external cavity. , 2016, , . | | 2 |
| 105 | All-Silica Photonic Bandgap Fiber Oscillators and Amplifiers. , 2011, , . | | 2 |
| 106 | Numerical and theoretical analysis of an alternate multiwavelength mode-locked fiber laser. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 2295-2297. | 2.5 | 1 |
| 107 | Numerical and experimental study of an alternate multiwavelength mode-locked fiber ring laser. , 2006, , . | | 1 |
| 108 | Amplification of femtosecond pulses in large mode area Bragg fibers. , 2010, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Greffes de cornée automatisées par laser femtoseconde optimisées et système de contrôle aberrométrique. <i>Irbm</i> , 2010, 31, 97-100. | 5.6 | 1 |
| 110 | Mid-Infrared Supercontinuum Generation in Lead-Bismuth-Gallium Oxide Glass Photonic Crystal Fiber. , 2010, , . | | 1 |
| 111 | Amplification of Femtosecond Pulses in Large Mode Area Photonic Bandgap Bragg Fiber. , 2010, , . | | 1 |
| 112 | Mid-IR Supercontinuum in a Fluorozirconate Fiber Pumped by a Femtosecond CPA System at 1.6µm. , 2010, , . | | 1 |
| 113 | Spectral pulse synthesis in large-scale ultrafast coherent combining systems. <i>European Physical Journal: Special Topics</i> , 2015, 224, 2545-2549. | 2.6 | 1 |
| 114 | Contradiction within wave optics and its solution within a particle picture: comment. <i>Optics Express</i> , 2016, 24, 2106. | 3.4 | 1 |
| 115 | 10 ¹⁴ W ultrashort sub-100 fs FCPA synthesizer. <i>Proceedings of SPIE</i> , 2016, , . | 0.8 | 1 |
| 116 | Soliton Compression in a Multipass Cell. , 2019, , . | | 1 |
| 117 | Coherent combining of high brightness tapered lasers in master oscillator power amplifier configuration. , 2018, , . | | 1 |
| 118 | High power Yb:CALGO thin-disk lasers in cw and fs regime. , 2013, , . | | 1 |
| 119 | Electro-optic nonlinear oscillator for ultra-fast secure chaos communication. , 2004, , . | | 0 |
| 120 | Stabilization of an actively mode-locked erbium-doped fiber ring laser by multi-harmonic phase modulation. , 2006, , . | | 0 |
| 121 | Supercontinuum generation in a highly birefringent photonic crystal fibre seeded by a low-repetition rate picosecond infrared laser. , 2007, , . | | 0 |
| 122 | Direct Amplification of Femtosecond Pulses in Ytterbium-Doped Fiber Amplifiers. <i>Fiber and Integrated Optics</i> , 2008, 27, 467-483. | 2.5 | 0 |
| 123 | Parabolic fiber amplifier beyond the gain bandwidth limits. <i>Proceedings of SPIE</i> , 2008, , . | 0.8 | 0 |
| 124 | Direct pulse compression of yb-doped fiber amplified pulses by use of a dazzler. , 2008, , . | | 0 |
| 125 | High-energy direct amplification of femtosecond pulses in the nonlinear regime. , 2008, , . | | 0 |
| 126 | Low-repetition-rate femtosecond operation in long cavity modelocked Yb:CALGO laser. , 2008, , . | | 0 |

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|-----|--|-----|-----------|
| 127 | Distributed nonlinear fiber chirped-pulse amplification system. , 2009, , . | | 0 |
| 128 | Generation of 49 fs, 41 MW peak power pulses from fiber laser using nonlinear compression in rod type fiber. , 2009, , . | | 0 |
| 129 | Coherent fiber combining by digital holography. , 2010, , . | | 0 |
| 130 | Wavefront control by digital holography in an Yb-doped multi-core fiber amplifier. , 2010, , . | | 0 |
| 131 | Dual-pumping scheme for high-energy femtosecond Er-doped fiber laser at 1.6 μm . , 2010, , . | | 0 |
| 132 | Amplification of femtosecond pulses in two-stage chirped pulse amplification system based on large mode area photonic bandgap fibres. , 2010, , . | | 0 |
| 133 | Photonic bandgap fibres for nonlinear optics. , 2010, , . | | 0 |
| 134 | Measurement and influence of spectral phase mismatch in femtosecond coherent beam combining systems. , 2012, , . | | 0 |
| 135 | Passive coherent beam combining of two femtosecond fiber chirped-pulse amplifiers. , 2012, , . | | 0 |
| 136 | Femtosecond fiber chirped- and divided-pulse amplification. , 2013, , . | | 0 |
| 137 | Narrow-linewidth UV laser source at 257 nm. , 2013, , . | | 0 |
| 138 | Energy scaling of ultrafast fiber systems using chirped and divided pulse amplification. , 2013, , . | | 0 |
| 139 | Investigation on repetition rate and pulse duration influences on ablation efficiency of metals using a high average power Yb-doped ultrafast laser. MATEC Web of Conferences, 2013, 8, 04010. | 0.2 | 0 |
| 140 | Divided-pulse nonlinear compression. , 2014, , . | | 0 |
| 141 | Spectral synthesis to overcome gain-narrowing in femtosecond fiber amplifiers. , 2014, , . | | 0 |
| 142 | Coherent excitation of a nonlinear silicon microcavity. , 2014, , . | | 0 |
| 143 | High average power and energetic femtosecond fiber laser using chirped- and divided-pulse amplification. , 2014, , . | | 0 |
| 144 | High-energy post-compression in hypocycloid-core Kagome fiber. , 2014, , . | | 0 |

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|-----|--|-----|-----------|
| 145 | Energetic and high average power femtosecond fiber laser using chirped- and divided-pulse amplification. , 2014, , . | | 0 |
| 146 | Passive coherent combining of two tapered laser diodes in an interferometric external cavity. , 2015, , . | | 0 |
| 147 | Nonlinear compression of ultrafast industrial lasers in hypocycloid-core Kagome hollow-core fiber. , 2015, , . | | 0 |
| 148 | High-energy, 34 fs, fiber source via nonlinear compression in hypocycloid-core Kagome fiber. , 2015, , . | | 0 |
| 149 | Chirped and divided-pulse Sagnac fiber amplifier. Proceedings of SPIE, 2015, , . | 0.8 | 0 |
| 150 | Power dependence on the nonlinear interaction enhancement in a coherently excited microcavity. Proceedings of SPIE, 2016, , . | 0.8 | 0 |
| 151 | High energy pulsewidth tunable CPA free picosecond source. Proceedings of SPIE, 2016, , . | 0.8 | 0 |
| 152 | High power mid-IR OPCPA system pumped by a femtosecond Yb-doped fiber amplifier. , 2017, , . | | 0 |
| 153 | Generation of few cycle pulses from a bandwidth-optimized high energy Yb-doped fiber laser source. , 2017, , . | | 0 |
| 154 | Coherent beam combining of high-power tapered amplifiers. , 2017, , . | | 0 |
| 155 | Simple phase locker for coherent beam combining of multicore fiber amplifiers. , 2017, , . | | 0 |
| 156 | Few cycle pulses IR laser system based on a bandwidth-optimized high energy Yb-doped fiber laser: Application to XUV generation. , 2018, , . | | 0 |
| 157 | High Efficiency, High Energy Few-Cycle Driver at 1- $\hat{1}$ / ₄ m. , 2019, , . | | 0 |
| 158 | CEP-Stable 100 kHz Nonlinearly Compressed YDFA Source for HHG. , 2019, , . | | 0 |
| 159 | Raman conversion in a multipass cell. , 2021, , . | | 0 |
| 160 | High energy direct amplification of femtosecond pulse in a highly non-linear fiber amplifier. , 2008, , . | | 0 |
| 161 | Diffraction-limited operation from multimode and multi-core fibers using active digital holography precompensation. , 2010, , . | | 0 |
| 162 | High-energy femtosecond Er-doped fiber laser at 1.6 $\hat{1}$ / ₄ m: influence of pumping scheme. , 2010, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|----|-----------|
| 163 | Yb doped Fluorides for High Power and Short-Pulse Laser Applications. , 2011, , . | | 0 |
| 164 | Frequency conversion in the visible and UV regions of a high average power and high peak power ultrafast fiber amplifier. , 2012, , . | | 0 |
| 165 | 2 GW peak power ultrafast fiber system using passive coherent beam combining. , 2012, , . | | 0 |
| 166 | Coherent combining of two femtosecond chirped-pulse amplifiers in a passive architecture. , 2012, , . | | 0 |
| 167 | High energy diode pumped Yb:doped crystal amplifiers for ultrashort OPCPA. , 2012, , . | | 0 |
| 168 | Spatio-temporal coherent combining scheme for fiber-based nonlinear compression. , 2013, , . | | 0 |
| 169 | Power and energy scaling of ultrafast fiber systems using chirped and divided pulse amplification for high end applications. , 2013, , . | | 0 |
| 170 | Coherent Beam Combining in Er ³⁺ Doped Multicore Fiber with 1480nm Core Pumping. , 2016, , . | | 0 |
| 171 | Hybrid Yb-doped-fiber/Yb:YAG architecture for high-energy, high-power, picosecond source tunable in duration. , 2016, , . | | 0 |
| 172 | Sub-380 mrad CEP-stable Yb-doped amplifier delivering 60 microjoules, 80 fs pulses at 100 kHz. , 2019, , . | | 0 |
| 173 | Compact, high-efficiency, ultrafast 2-cycles sources at 1030nm. , 2019, , . | | 0 |
| 174 | Efficient, ultrafast few-cycle driver based on hybrid nonlinear compression. , 2019, , . | | 0 |
| 175 | High-efficiency nonlinear compression using a gas-filled multipass cell. , 2019, , . | | 0 |
| 176 | High repetition rate CEP-stable Yb-doped laser source for attoscience. , 2020, , . | | 0 |
| 177 | High repetition rate CEP-stable Yb-doped fiber amplifier. , 2020, , . | | 0 |
| 178 | Enhanced-efficiency of a mid-IR intrapulse difference-frequency generation. , 2022, , . | | 0 |
| 179 | Tunable, Broadband Mid-Infrared Source Based on Amplified Intrapulse Difference Frequency Generation. , 2022, , . | | 0 |