Gregory D Goodno

List of Publications by Year
in descending order

44 papers	1,814 citations	393982 19 h-index	610482 24 g-index
46 all docs	46 docs citations	46 times ranked	878 citing authors

#	Article	IF	Citations
1	Linewidth Narrowing of a High Power Polarization Maintaining Fiber Amplifier using Nonlinear Phase Demodulation. , 2021, , .		1
2	Advanced Solid-State Lasers 2019: focus issue introduction. Optics Express, 2020, 28, 15035.	1.7	0
3	Advanced Solid-State Lasers 2019: focus issue introduction. Optical Materials Express, 2020, 10, 1303.	1.6	0
4	Suppression of stimulated Brillouin scattering in high power fibers using nonlinear phase demodulation. Optics Express, 2019, 27, 13129.	1.7	16
5	Focus issue introduction: advanced solid-state lasers. Optics Express, 2019, 27, 20938.	1.7	2
6	Focus issue introduction: advanced solid-state lasers. Optical Materials Express, 2019, 9, 3306.	1.6	0
7	Suppression of Stimulated Brillouin Scattering in Kilowatt Fiber Amplifiers using Nonlinear Spectral Compression. , 2018, , .		0
8	Atmospheric propagation and combining of high power lasers: comment. Applied Optics, 2016, 55, 8335.	2.1	5
9	Diffractive Coherent Combining of >kW Fibers. , 2014, , .		0
10	Scalable Coherent Combining of Kilowatt Fiber Amplifiers Into a 2.4-kW Beam. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 174-181.	1.9	47
11	Coherent combining of fiber and solid-state lasers. , 2013, , .		0
12	Multichannel polarization stabilization for coherently combined fiber laser arrays. Optics Letters, 2012, 37, 4272.	1.7	12
13	Two-dimensional diffractive coherent combining of 15 fiber amplifiers into a 600ÂW beam. Optics Letters, 2012, 37, 3741.	1.7	42
14	Coherent combining of pulsed fiber amplifiers in the nonlinear chirp regime with intra-pulse phase control. Optics Express, 2012, 20, 7422.	1.7	30
15	Automated co-alignment of coherent fiber laser arrays via active phase-locking. Optics Express, 2012, 20, 14945.	1.7	25
16	Perturbative analysis of coherent combining efficiency with mismatched lasers: errata. Optics Express, 2012, 20, 23587.	1.7	1
17	Diffractive coherent combining of a 25ÂkW fiber laser array into a 19ÂkW Gaussian beam. Optics Letters, 2012, 37, 2832.	1.7	87
18	Group delay locking of coherently combined broadband lasers. Optics Letters, 2012, 37, 455.	1.7	33

#	Article	IF	Citations
19	Group Delay Locking of Broadband Phased Lasers. , 2012, , .		1
20	Diffractive Beam Combining of a 2.5-kW Fiber Laser Array*. , 2012, , .		1
21	Narrow linewidth power scaling and phase stabilization of 2-<italic>Î¼</italic>m thulium fiber lasers. Optical Engineering, 2011, 50, 111608.	0.5	38
22	Coherent Combining with Imperfect Beams. , 2011, , .		0
23	Coherence-preserving kW-level Tm fiber amplifiers at 2mm. , 2011, , .		0
24	Coherent Combining of a 1.26-kW Fiber Amplifier. , 2010, , .		3
25	Advances and limitations in beam combination of kilowatt fiber amplifiers. , 2010, , .		10
26	Perturbative analysis of coherent combining efficiency with mismatched lasers. Optics Express, 2010, 18, 25403.	1.7	135
27	Active phase and polarization locking of a 14â€‰kW fiber amplifier. Optics Letters, 2010, 35, 1542.	1.7	161
28	Low-phase-noise, single-frequency, single-mode 608 W thulium fiber amplifier. Optics Letters, 2009, 34, 1204.	1.7	187
29	600-W single-mode single-frequency thulium fiber laser amplifier. , 2009, , .		11
30	Single-Frequency, Single-Mode Emission at 2040 nm from a 600-W Thulium-Doped Fiber Amplifier Chain. , 2009, , .		3
31	Diffractive-optics-based beam combination of a phase-locked fiber laser array. Optics Letters, 2008, 33, 354.	1.7	123
32	Coherent Combination of Fiber Lasers with a Diffractive Optical Element. , 2008, , .		4
33	Advances and Limitations in Fiber Laser Beam Combination. , 2008, , .		0
34	Brightness-Scaling Potential of Actively Phase-Locked Solid-State Laser Arrays. IEEE Journal of Selected Topics in Quantum Electronics, 2007, 13, 460-472.	1.9	127
35	Coherent combination of high-power, zigzag slab lasers. Optics Letters, 2006, 31, 1247.	1.7	189
36	19-kW Phase-locked MOPA Laser Array. , 2006, , MA2.		2

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37	Yb:YAG power oscillator with high brightness and linear polarization. Optics Letters, 2001, 26, 1672.	1.7	90
38	High average-power Yb:YAG end-pumped zig-zag slab laser. , 2001, , MA2.		11
39	Diffractive Optics-Based Heterodyne-Detected Grating Spectroscopy:â€‰ Application to Ultrafast Protein Dynamics. Journal of Physical Chemistry B, 1999, 103, 603-607.	1.2	48
40	Femtosecond Heterodyne-Detected Four-Wave-Mixing Studies of Deterministic Protein Motions. 2. Protein Response. Journal of Physical Chemistry A, 1999, 103, 10630-10643.	1.1	50
41	Femtosecond Heterodyne-Detected Four-Wave-Mixing Studies of Deterministic Protein Motions. 1. Theory and Experimental Technique of Diffractive Optics-Based Spectroscopy. Journal of Physical Chemistry A, 1999, 103, 10619-10629.	1.1	39
42	Ultrafast heterodyne-detected transient-grating spectroscopy using diffractive optics. Journal of the Optical Society of America B: Optical Physics, 1998, 15, 1791.	0.9	245
43	Advances in Gratingâ€Based Photoacoustic Spectroscopy for the Study of Protein Dynamics. Israel Journal of Chemistry, 1998, 38, 191-206.	1.0	28
44	Coherently combined fiber lasers for directed energy. SPIE Newsroom, 0, , .	0.1	0