

Gregory D Goodno

List of Publications by Year in descending order

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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	Ultrafast heterodyne-detected transient-grating spectroscopy using diffractive optics. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998, 15, 1791.	0.9	245
2	Coherent combination of high-power, zigzag slab lasers. <i>Optics Letters</i> , 2006, 31, 1247.	1.7	189
3	Low-phase-noise, single-frequency, single-mode 608 W thulium fiber amplifier. <i>Optics Letters</i> , 2009, 34, 1204.	1.7	187
4	Active phase and polarization locking of a 14-kW fiber amplifier. <i>Optics Letters</i> , 2010, 35, 1542.	1.7	161
5	Perturbative analysis of coherent combining efficiency with mismatched lasers. <i>Optics Express</i> , 2010, 18, 25403.	1.7	135
6	Brightness-Scaling Potential of Actively Phase-Locked Solid-State Laser Arrays. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2007, 13, 460-472.	1.9	127
7	Diffractive-optics-based beam combination of a phase-locked fiber laser array. <i>Optics Letters</i> , 2008, 33, 354.	1.7	123
8	Yb:YAG power oscillator with high brightness and linear polarization. <i>Optics Letters</i> , 2001, 26, 1672.	1.7	90
9	Diffractive coherent combining of a 25-kW fiber laser array into a 19-kW Gaussian beam. <i>Optics Letters</i> , 2012, 37, 2832.	1.7	87
10	Femtosecond Heterodyne-Detected Four-Wave-Mixing Studies of Deterministic Protein Motions. 2. Protein Response. <i>Journal of Physical Chemistry A</i> , 1999, 103, 10630-10643.	1.1	50
11	Diffractive Optics-Based Heterodyne-Detected Grating Spectroscopy: Application to Ultrafast Protein Dynamics. <i>Journal of Physical Chemistry B</i> , 1999, 103, 603-607.	1.2	48
12	Scalable Coherent Combining of Kilowatt Fiber Amplifiers Into a 2.4-kW Beam. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014, 20, 174-181.	1.9	47
13	Two-dimensional diffractive coherent combining of 15 fiber amplifiers into a 600-W beam. <i>Optics Letters</i> , 2012, 37, 3741.	1.7	42
14	Femtosecond Heterodyne-Detected Four-Wave-Mixing Studies of Deterministic Protein Motions. 1. Theory and Experimental Technique of Diffractive Optics-Based Spectroscopy. <i>Journal of Physical Chemistry A</i> , 1999, 103, 10619-10629.	1.1	39
15	Narrow linewidth power scaling and phase stabilization of 2- μ m thulium fiber lasers. <i>Optical Engineering</i> , 2011, 50, 111608.	0.5	38
16	Group delay locking of coherently combined broadband lasers. <i>Optics Letters</i> , 2012, 37, 455.	1.7	33
17	Coherent combining of pulsed fiber amplifiers in the nonlinear chirp regime with intra-pulse phase control. <i>Optics Express</i> , 2012, 20, 7422.	1.7	30
18	Advances in Grating-Based Photoacoustic Spectroscopy for the Study of Protein Dynamics. <i>Israel Journal of Chemistry</i> , 1998, 38, 191-206.	1.0	28

#	ARTICLE	IF	CITATIONS
19	Automated co-alignment of coherent fiber laser arrays via active phase-locking. Optics Express, 2012, 20, 14945.	1.7	25
20	Suppression of stimulated Brillouin scattering in high power fibers using nonlinear phase demodulation. Optics Express, 2019, 27, 13129.	1.7	16
21	Multichannel polarization stabilization for coherently combined fiber laser arrays. Optics Letters, 2012, 37, 4272.	1.7	12
22	High average-power Yb:YAG end-pumped zig-zag slab laser. , 2001, , MA2.		11
23	600-W single-mode single-frequency thulium fiber laser amplifier. , 2009, , .		11
24	Advances and limitations in beam combination of kilowatt fiber amplifiers. , 2010, , .		10
25	Atmospheric propagation and combining of high power lasers: comment. Applied Optics, 2016, 55, 8335.	2.1	5
26	Coherent Combination of Fiber Lasers with a Diffractive Optical Element. , 2008, , .		4
27	Coherent Combining of a 1.26-kW Fiber Amplifier. , 2010, , .		3
28	Single-Frequency, Single-Mode Emission at 2040 nm from a 600-W Thulium-Doped Fiber Amplifier Chain. , 2009, , .		3
29	19-kW Phase-locked MOPA Laser Array. , 2006, , MA2.		2
30	Focus issue introduction: advanced solid-state lasers. Optics Express, 2019, 27, 20938.	1.7	2
31	Perturbative analysis of coherent combining efficiency with mismatched lasers: errata. Optics Express, 2012, 20, 23587.	1.7	1
32	Group Delay Locking of Broadband Phased Lasers. , 2012, , .		1
33	Linewidth Narrowing of a High Power Polarization Maintaining Fiber Amplifier using Nonlinear Phase Demodulation. , 2021, , .		1
34	Diffractive Beam Combining of a 2.5-kW Fiber Laser Array*. , 2012, , .		1
35	Advances and Limitations in Fiber Laser Beam Combination. , 2008, , .		0
36	Coherent combining of fiber and solid-state lasers. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
37	Diffractive Coherent Combining of >kW Fibers. , 2014, , .		0
38	Coherent Combining with Imperfect Beams. , 2011, , .		0
39	Coherence-preserving kW-level Tm fiber amplifiers at 2mm. , 2011, , .		0
40	Coherently combined fiber lasers for directed energy. SPIE Newsroom, 0, , .	0.1	0
41	Suppression of Stimulated Brillouin Scattering in Kilowatt Fiber Amplifiers using Nonlinear Spectral Compression. , 2018, , .		0
42	Focus issue introduction: advanced solid-state lasers. Optical Materials Express, 2019, 9, 3306.	1.6	0
43	Advanced Solid-State Lasers 2019: focus issue introduction. Optics Express, 2020, 28, 15035.	1.7	0
44	Advanced Solid-State Lasers 2019: focus issue introduction. Optical Materials Express, 2020, 10, 1303.	1.6	0