

Frank Wise

List of Publications by Year in descending order

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33
papers

2,986
citations

304743

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h-index

610901

24
g-index

33
all docs

33
docs citations

33
times ranked

2325
citing authors

#	ARTICLE	IF	CITATIONS
1	Multimode Mamyshev oscillator. Optics Letters, 2022, 47, 46.	3.3	25
2	Generation of 1â€‰%â€‰%Âµj and 40â€‰%â€‰%fs pulses from a large mode area gain-managed nonlinear amplifier. Optics Letters, 2020, 45, 4084.	3.3	36
3	Nonlinear ultrafast fiber amplifiers beyond the gain-narrowing limit. Optica, 2019, 6, 1328.	9.3	70
4	Propagation of Structural Disorder in Epitaxially Connected Quantum Dot Solids from Atomic to Micron Scale. Nano Letters, 2016, 16, 5714-5718.	9.1	43
5	Charge transport and localization in atomically coherent quantum dot solids. Nature Materials, 2016, 15, 557-563.	27.5	244
6	Ultrafast lasers and applications. , 2013, , .		0
7	Lasers for Nonlinear Microscopy. Cold Spring Harbor Protocols, 2013, 2013, pdb.top073551.	0.3	3
8	Enhanced Bandwidth Generation in an Er Amplifier Similariton Fiber Laser. , 2013, , .		0
9	Exploitation of stimulated Raman scattering in short-pulse fiber amplifiers. Optics Letters, 2010, 35, 2397.	3.3	6
10	All polarization-maintaining fiber chirped-pulse amplification system for microjoule femtosecond pulses. , 2009, , .		6
11	Environmentally-stable nonlinear chirped-pulse fiber amplifier. , 2009, , .		0
12	Soliton Compression to Few-cycle Pulses Using Quadratic Nonlinear Photonic Crystal Fibers: A Design Study. , 2007, , .		0
13	Advances In Femtosecond Fiber Lasers. , 2007, , FMF2.		0
14	Novel Concepts in High-Energy Femtosecond Fiber Lasers. , 2007, , .		0
15	Advances In Femtosecond Fiber Lasers. , 2007, , .		0
16	Induced group-velocity dispersion in phase-mismatched second-harmonic generation. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 51.	2.1	26
17	All-normal-dispersion femtosecond fiber laser. Optics Express, 2006, 14, 10095.	3.4	791
18	Compensation of nonlinear phase shifts with third-order dispersion in short-pulse fiber amplifiers. Optics Express, 2005, 13, 4869.	3.4	125

#	ARTICLE	IF	CITATIONS
19	Spatiotemporal optical solitons. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, R53-R72.	1.4	765
20	APPLICATIONS OF CASCADED QUADRATIC NONLINEARITIES TO FEMTOSECOND PULSE GENERATION. Journal of Nonlinear Optical Physics and Materials, 2002, 11, 317-338.	1.8	44
21	Noncollinear generation of optical spatiotemporal solitons and application to ultrafast digital logic. Physical Review E, 2000, 61, R4722-R4725.	2.1	33
22	Transverse Instability of Optical Spatiotemporal Solitons in Quadratic Media. Physical Review Letters, 2000, 85, 1871-1874.	7.8	67
23	Two-dimensional optical spatiotemporal solitons in quadratic media. Physical Review E, 2000, 62, 1328-1340.	2.1	111
24	Femtosecond two-beam coupling energy transfer from Raman and electronic nonlinearities. Journal of the Optical Society of America B: Optical Physics, 2000, 17, 1636.	2.1	38
25	Studies of optical non-linearities of chalcogenide and heavy-metal oxide glasses. Journal of Non-Crystalline Solids, 1999, 256-257, 310-317.	3.1	48
26	Measurement of the nonlinear optical response of optical fiber materials by use of spectrally resolved two-beam coupling. Optics Letters, 1999, 24, 1103.	3.3	44
27	High-energy pulse compression by use of negative phase shifts produced by the cascade $\chi^{(2)}:\chi^{(2)}$ nonlinearity. Optics Letters, 1999, 24, 1777.	3.3	152
28	Time-resolved nonlinear refraction in femtosecond laser gain media. Optics Letters, 1998, 23, 1381.	3.3	26
29	Time-Resolved Measurement of Electronic and Vibrational Nonlinear Refraction in Ti:sapphire and Cr:LiSGaF. Springer Series in Chemical Physics, 1998, , 20-23.	0.2	0
30	Sensitive measurement of nonlinear refraction and two-photon absorption by spectrally resolved two-beam coupling. Optics Letters, 1997, 22, 1077.	3.3	79
31	Characterization of a Kerr-lens mode-locked Ti:sapphire laser with positive group-velocity dispersion. Optics Letters, 1993, 18, 1654.	3.3	100
32	Generation of 13â€fs pulses from a modeâ€locked Ti:Al ₂ O ₃ laser with reduced thirdâ€order dispersion. Applied Physics Letters, 1993, 62, 470-472.	3.3	36
33	Quartz prism sequence for reduction of cubic phase in a mode-locked Ti:Al ₂ O ₃ laser. Optics Letters, 1992, 17, 1295.	3.3	68