

Randy A Bartels

List of Publications by Year in descending order

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206
papers

4,156
citations

147566

31
h-index

123241

61
g-index

209
all docs

209
docs citations

209
times ranked

2644
citing authors

#	ARTICLE	IF	CITATIONS
1	Tomographic single pixel spatial frequency projection imaging. Optics Communications, 2022, 520, 128401.	1.0	10
2	Confocal Spatial frequency modulation imaging with wavelength domain modulation. , 2021, , .		0
3	Phase noise limited frequency shift impulsive Raman spectroscopy. APL Photonics, 2021, 6, .	3.0	6
4	Low frequency coherent Raman spectroscopy. JPhys Photonics, 2021, 3, 042004.	2.2	7
5	Harmonic optical tomography of nonlinear structures. Nature Photonics, 2020, 14, 564-569.	15.6	39
6	Simultaneous multi-dimensional spatial frequency modulation imaging. International Journal of Optomechatronics, 2020, 14, 1-17.	3.3	7
7	Spatial frequency modulated imaging in coherent anti-Stokes Raman microscopy. Optica, 2020, 7, 417.	4.8	19
8	Two-dimensional random access multiphoton spatial frequency modulated imaging. Optics Express, 2020, 28, 405.	1.7	5
9	Advances in spatial frequency modulation imaging techniques for applications from advanced manufacturing to the neurosciences. , 2020, , .		0
10	Line-scan compressive Raman imaging with spatio-spectral encoding. Optics Letters, 2020, 45, 5567.	1.7	11
11	Single-pixel fluorescent diffraction tomography. Optica, 2020, 7, 1617.	4.8	10
12	Fourier computed tomographic imaging of two dimensional fluorescent objects. APL Photonics, 2019, 4, .	3.0	9
13	Hyperspectral imaging in the spatial frequency domain with a supercontinuum source. Journal of Biomedical Optics, 2019, 24, 1.	1.4	18
14	Fluorescent coherent diffractive imaging with accelerating light sheets. Optics Express, 2019, 27, 13015.	1.7	6
15	Compressive Raman imaging with spatial frequency modulated illumination. Optics Letters, 2019, 44, 1936.	1.7	15
16	Toward Single-Lens Epi-Fluorescent Light Sheet Microscopy with Single-Pixel Detection. , 2019, , .		0
17	High-Sensitivity Coherent Raman Spectroscopy with Doppler Raman. , 2019, , .		1
18	Non-Iterative Aberration Correction with Phase-Sensitive Spatial Frequency Projection Light Sheet Microscopy. , 2019, , .		0

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19	Super-Resolution using Nonlinear Fourier-Basis Spatial Frequency Projections. , 2019, , .		0
20	Single Pixel Fourier Computed Tomography. , 2019, , .		0
21	Single pixel quantitative phase imaging with spatial frequency projections. <i>Methods</i> , 2018, 136, 24-34.	1.9	26
22	Fabrication and characterization of modulation masks for multimodal spatial frequency modulated microscopy. <i>Applied Optics</i> , 2018, 57, 4683.	0.9	8
23	Three-dimensional single-pixel imaging of incoherent light with spatiotemporally modulated illumination. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2018, 35, 1438.	0.8	9
24	Interferometric spatial frequency modulation imaging. <i>Optics Letters</i> , 2018, 43, 5351.	1.7	8
25	General Theoretical Analysis of Noise in Single-pixel Imaging. , 2018, , .		0
26	Fast Hyperspectral Detection of the Frequency Response of Highly Scattering Tissue using a Femtosecond Pulse with Light Labeling. , 2018, , .		0
27	High Sensitivity Vibrational Mode Detection with Doppler Raman Spectroscopy. , 2018, , .		0
28	Single Element Detection Phase Contrast Spatial Frequency Modulation Imaging. , 2018, , .		0
29	Digital aberration correction with single-pixel spatial frequency projection imaging. , 2018, , .		0
30	Spatial frequency projection super resolution imaging. , 2018, , .		0
31	hyperspectral characterization of tissue simulating phantoms using a supercontinuum laser in a spatial frequency domain imaging instrument. , 2018, , .		1
32	Theory and applications of structured light single pixel imaging. , 2018, , .		1
33	Pump-probe microscopy of respiratory chain pigments: towards non-fluorescent label-free metabolic imaging. <i>Proceedings of SPIE</i> , 2017, , .	0.8	1
34	Spatial Frequency Modulated Imaging (SPIFI) with amplitude or phase grating from a spatial light modulator. , 2017, , .		0
35	Compressed single pixel imaging in the spatial frequency domain. <i>Journal of Biomedical Optics</i> , 2017, 22, 030501.	1.4	39
36	Transient absorption imaging of hemes with 2-color, independently tunable visible-wavelength ultrafast source. <i>Biomedical Optics Express</i> , 2017, 8, 2807.	1.5	13

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37	Pump-probe spectroscopy and imaging of heme proteins: temperature effects and data analysis. , 2017, , .		1
38	Spatial Frequency Modulated Imaging (SIFI) in Amplitude with a Spatial Light Modulator. , 2016, , .		1
39	Single-pixel fluorescent imaging with temporally labeled illumination patterns. Optica, 2016, 3, 971.	4.8	26
40	Analysis of Recombination in CdTe Heterostructures With Time-Resolved Two-Photon Excitation Microscopy. IEEE Journal of Photovoltaics, 2016, 6, 1581-1586.	1.5	6
41	Superresolved multiphoton microscopy with spatial frequency-modulated imaging. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6605-6610.	3.3	62
42	General theoretical treatment of spectral modulation light-labeling spectroscopy. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 1216.	0.9	7
43	Light labeling with temporal intensity modulations for hyperspectral imaging. , 2016, , .		0
44	Simultaneous spatial frequency modulation imaging and micromachining with a femtosecond laser. Optics Letters, 2016, 41, 265.	1.7	7
45	Point spread function engineering with multiphoton SIFI. Proceedings of SPIE, 2016, , .	0.8	4
46	Digital aberration correction of fluorescent images with coherent holographic image reconstruction by phase transfer (CHIRPT). Proceedings of SPIE, 2016, , .	0.8	9
47	Super-Resolved Microscopy with Spatial Frequency-Modulated Imaging. , 2016, , .		0
48	Simultaneous fluorescent and quantitative phase imaging through spatial frequency projections. , 2016, , .		0
49	Digital refocusing of fluorescent light intensity with spatial frequency modulated imaging. , 2016, , .		0
50	Does Cell Shape Determine Cell Fate?. Biophysical Journal, 2015, 108, 140a.	0.2	0
51	Hyperspectral imaging via labeled excitation light and background-free absorption spectroscopy. Optica, 2015, 2, 929.	4.8	20
52	Plane wave analysis of coherent holographic image reconstruction by phase transfer (CHIRPT). Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 2156.	0.8	25
53	Nearly transform-limited sub-20-fs pulses at 1065â€‰nm and >10â€‰nJ enabled by a flat field ultrafast pulse shaper. Optics Letters, 2015, 40, 253.	1.7	6
54	A pragmatic guide to multiphoton microscope design. Advances in Optics and Photonics, 2015, 7, 276.	12.1	40

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55	Two-dimensional single-pixel imaging by cascaded orthogonal line spatial modulation. Optics Letters, 2015, 40, 2774.	1.7	22
56	Third harmonic generation microscopy of a mouse retina. Molecular Vision, 2015, 21, 538-47.	1.1	7
57	Nonlinear fiber amplifier with tunable transform limited pulse duration from a few 100 to sub-100-fs at watt-level powers. Optics Letters, 2014, 39, 359.	1.7	13
58	Time-resolved coherent Raman spectroscopy by high-speed pump-probe delay scanning. Optics Letters, 2014, 39, 4124.	1.7	18
59	High Peak and Average Power Near/Mid-IR Femtosecond Laser Sources. , 2014, , .		0
60	Three-photon excitation source at 1250 nm generated in a dual zero dispersion wavelength nonlinear fiber. Optics Express, 2014, 22, 30777.	1.7	7
61	Sub-femtosecond Envelope Stability of Fiber Comb Lasers Locked to a CW Reference. , 2014, , .		0
62	Multiphoton imaging and manipulation of biological systems. , 2014, , .		0
63	Analysis of misfocus effects in compressive optical imaging. , 2014, , .		0
64	Nanometer Scale Imaging with Table-Top Extreme Ultraviolet Laser. , 2014, , 425-430.		0
65	Submillisecond second harmonic holographic imaging of biological specimens in three dimensions. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18391-18396.	3.3	19
66	Microresonator-Based Frequency Comb Generator as Optical Source for Coherent WDM Transmission. , 2013, , .		1
67	Terabit/s data transmission using optical frequency combs. , 2013, , .		3
68	Overcoming temporal polarization instabilities from the latent birefringence in all-normal dispersion, wave-breaking-extended nonlinear fiber supercontinuum generation. Optics Express, 2013, 21, 13305.	1.7	23
69	Two-dimensional spatial-frequency-modulated imaging through parallel acquisition of line images. Optics Letters, 2013, 38, 1763.	1.7	14
70	Theory of diffraction effects in spatial frequency-modulated imaging. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 2579.	0.8	26
71	Measurement of orientation and susceptibility ratios using a polarization-resolved second-harmonic generation holographic microscope. Biomedical Optics Express, 2012, 3, 2004.	1.5	21
72	Coherence-modulated third harmonic generation for vibrational spectroscopy: a theoretical treatment. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 1875.	0.9	5

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73	Coherent artifact in modern pulse measurements. Optics Letters, 2012, 37, 2874.	1.7	89
74	Hilbert reconstruction of phase-shifted second-harmonic holographic images. Optics Letters, 2012, 37, 2052.	1.7	8
75	Practical supercontinuum source for few hundred femtosecond seed pulses. , 2012, , .		0
76	High-Speed Two-Dimensional Multiphoton Microscope using Spatial Modulation. , 2012, , .		0
77	Phase Noise and Dispersion in integrated Silicon Nitride based Kerr-Comb generators. , 2012, , .		0
78	Polarization Instabilities in All Normal Dispersion Supercontinuum from Yb-doped Modelocked Lasers. , 2012, , .		0
79	Label-free second harmonic generation holographic imaging of biological specimens at speeds up to 1000 volumes per second. , 2012, , .		0
80	Multiphoton microscope using spatially-modulated line-cursor. , 2012, , .		0
81	Theory of diffraction and defocus effects in spatial frequency-modulated imaging. , 2012, , .		0
82	High-speed second harmonic generation holographic imaging of biological specimens at over 1000 volumes per second. , 2012, , .		0
83	Aspects of nanometer scale imaging with extreme ultraviolet (EUV) laboratory sources. Opto-electronics Review, 2012, 20, 1-14.	2.4	2
84	Eliminating the scattering ambiguity in multifocal, multimodal, multiphoton imaging systems. Journal of Biophotonics, 2012, 5, 425-436.	1.1	22
85	Optimization of Third Harmonic Conversion Efficiency in the Presence of a Spatially Localized Plasma. IEEE Journal of Quantum Electronics, 2012, 48, 790-796.	1.0	0
86	Rapid Birefringent Delay Scanning for Coherent Multiphoton Impulsive Raman Pump-Probe Spectroscopy. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 130-139.	1.9	10
87	Universal Dynamics of Kerr-Frequency Comb Formation in Microresonators. , 2012, , .		5
88	The Coherent Artifact in Modern Pulse Measurements. , 2012, , .		0
89	Spatially-chirped modulation imaging of absorption and fluorescent objects on single-element optical detector. Optics Express, 2011, 19, 1626.	1.7	75
90	High-speed, label-free second harmonic generation holographic microscopy of biological specimens. , 2011, , .		1

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91	Full Characterization of Tightly Focused Vector Fields through Far Field Third Harmonic Signals. , 2011, , .		0
92	Lateral tomographic spatial frequency modulated imaging. Applied Physics Letters, 2011, 98, .	1.5	28
93	Spatial frequency modulation imaging of absorption and fluorescent objects using a single element detector. , 2011, , .		0
94	Generation and stability characterization of fiber-based difference frequency generation tuned through controlled soliton self-frequency-shifting. , 2011, , .		0
95	Lighthouse ultrafast spectroscopy: high speed scanning with a spinning birefringent delay crystal. , 2011, , .		0
96	High-Speed Nonlinear Harmonic Generation Holographic Microscopy. , 2011, , .		0
97	Extracting information from optical fields through spatial and temporal modulation. , 2011, , .		0
98	Tomographic Imaging with Lateral Frequency Modulation Projections Using a Single-Element Detector. , 2011, , .		0
99	High-Speed Second Harmonic Generation Holographic Microscopy. , 2011, , .		0
100	Polarization control and tomography for nonlinear microscopy. Proceedings of SPIE, 2010, , .	0.8	1
101	Nanometer scale imaging with table top extreme ultraviolet sources. , 2010, , .		1
102	Fiber-based, soliton-tuned femtosecond optical source mid infrared spectral region. , 2010, , .		0
103	Holographic imaging with a nanometer resolution using compact table-top EUV laser. Opto-electronics Review, 2010, 18, .	2.4	4
104	Distinguishing bulk and interface modulation of optical third harmonic generation due to coherent optical phonon excitation. Chemical Physics Letters, 2010, 490, 97-101.	1.2	12
105	Complete vector focal field characterization via nanoprobe induced nonlinear far field signals. , 2010, , .		0
106	Soliton-tuned difference-frequency-based midinfrared source. , 2010, , .		0
107	Label-free second harmonic generation holographic microscopy of biological specimens. Optics Express, 2010, 18, 9840.	1.7	56
108	Subpicosecond fiber-based soliton-tuned mid-infrared source in the 97â€“149 μ m wavelength region. Optics Letters, 2010, 35, 2179.	1.7	41

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109	High-speed second harmonic generation holographic microscopy of biological specimens. , 2010, , .		0
110	Coherence modulated third harmonic generation for winterface vibrational spectroscopy. , 2010, , .		0
111	Simplified ultrafast pulse shaper for tailored polarization states using a birefringent prism. Review of Scientific Instruments, 2009, 80, 053110.	0.6	13
112	Sub-50nm extreme ultraviolet holographic imaging. , 2009, , .		1
113	Control and measurement of spatially inhomogeneous polarization distributions in third-harmonic generation microscopy. Optics Letters, 2009, 34, 1090.	1.7	10
114	Enhanced spatial resolution in third-harmonic microscopy through polarization switching. Optics Letters, 2009, 34, 1240.	1.7	40
115	Propagation of spatial coherence in fast pulses. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2009, 26, 1945.	0.8	6
116	Analysis of the measurement of polarization-shaped ultrashort laser pulses by tomographic ultrafast retrieval of transverse light E fields. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 2363.	0.9	11
117	Impact of Measurement Noise in Tomographic Ultrafast Retrieval of Transverse Light E -Fields (TURTLE) Ultrashort Polarization Characterization. IEEE Photonics Journal, 2009, 1, 163-171.	1.0	5
118	Sensitive and Selective Detection of Low-Frequency Vibrational Modes Through a Phase-Shifting Fourier Transform Spectroscopy. IEEE Journal of Quantum Electronics, 2009, 45, 777-782.	1.0	7
119	Direct Phase-Sensitive Impulsive Vibrational Spectroscopy with Spectral Interferometry. , 2009, , .		0
120	Vibrational Coherence Modulated Interfacial Third Harmonic Generation Spectroscopy. , 2009, , .		0
121	Soft X-Ray Holography with Wavelength Resolution. Springer Proceedings in Physics, 2009, , 357-364.	0.1	0
122	Resolution enhancement through focal field polarization control in third harmonic generation microscopy. , 2009, , .		0
123	Resolution and Feature Size Assessment in Soft X-Ray Microscopy Images. Springer Proceedings in Physics, 2009, , 483-488.	0.1	0
124	Synthetic temporal aperture coherent molecular phase spectroscopy. Chemical Physics Letters, 2008, 463, 300-304.	1.2	12
125	Tomographic retrieval of the polarization state of an ultrafast laser pulse. Optics Letters, 2008, 33, 267.	1.7	32
126	Modulation of third-harmonic generation conversion in the presence of a rotational wave packet. Optics Letters, 2008, 33, 1162.	1.7	14

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127	Phase measurement of coherent Raman vibrational spectroscopy with chirped spectral holography. Optics Letters, 2008, 33, 2116.	1.7	12
128	Manipulating Light Waves: introduction. Applied Optics, 2008, 47, MLW1.	2.1	1
129	Self-referenced interferometry for the characterization of axicon lens quality. Applied Optics, 2008, 47, 1200.	2.1	12
130	Analytical model of the effective transient optical response of symmetric-top molecules in the presence of a rotational coherence. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 407.	0.9	6
131	Analysis of extreme ultraviolet microscopy images of patterned nanostructures based on a correlation method. Journal of the Optical Society of America B: Optical Physics, 2008, 25, B20.	0.9	23
132	Soft x-ray laser holography with wavelength resolution. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 1811.	0.9	47
133	Optical interferometry with pulsed fields. Journal of Modern Optics, 2008, 55, 1541-1556.	0.6	9
134	Spatial resolution and feature size determination in extreme ultraviolet microscope images. , 2008, , .		0
135	Advanced vector polarization shaping and applications of ultrafast laser pulses. , 2008, , .		0
136	Calibration of liquid crystal ultrafast pulse shaper with common-path spectral interferometry and application to coherent control with a covariance matrix adaptation evolutionary strategy. Review of Scientific Instruments, 2008, 79, 033103.	0.6	17
137	Single-shot measurement of ultrafast time-varying phase modulation induced by femtosecond laser pulses with arbitrary polarization. Applied Physics Letters, 2008, 92, 021126.	1.5	19
138	Enhancement of third harmonic generation by a laser-induced plasma. Applied Physics Letters, 2008, 93, 151102.	1.5	28
139	Extreme ultraviolet holography with wavelength resolution. , 2008, , .		0
140	Analysis of resolution and feature size in extreme ultraviolet microscopy images. , 2008, , .		0
141	Polarization, phase and amplitude control of ultrafast laser pulses with a single linear spatial light modulator. , 2008, , .		0
142	Ultrafast rotational wave packet dynamics observed through third harmonic conversion of a femtosecond probe pulse. , 2008, , .		0
143	Polarization state characterization of ultrashort laser pulses by self-referenced tomographic reconstruction. , 2008, , .		0
144	Measurement of transient susceptibility tensor created by rotational wave packets excited by arbitrarily polarized femtosecond laser pulses. , 2007, , .		0

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145	Table top extreme ultraviolet holography. , 2007, , .		1
146	Analytic model of rotational wave packet excitation with arbitrary pump polarization in the impulsive limit. , 2007, , .		0
147	Pulse polarization splitting in a transient wave plate. , 2007, , .		0
148	Tabletop soft x-ray holography with sub-200-nm spatial resolution. Proceedings of SPIE, 2007, , .	0.8	0
149	Holographic nano-imaging realized with compact extreme ultraviolet lasers. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	0
150	Numerical Optical Sectioning for 3D Holographic Images with EUV Lasers. Optics and Photonics News, 2007, 18, 22.	0.4	18
151	Highly achromatic Fourier-transform spectrometer. Optics Express, 2007, 15, 1361.	1.7	8
152	Ultrafast phase and amplitude pulse shaping with a single, one-dimensional, high-resolution phase mask.. Optics Express, 2007, 15, 8979.	1.7	40
153	Volume extreme ultraviolet nano-holographic imaging with numerical optical sectioning. Optics Express, 2007, 15, 10622.	1.7	31
154	Complete polarization state control of ultrafast laser pulses with a single linear spatial light modulator. Optics Express, 2007, 15, 18025.	1.7	44
155	Dispersion balancing of variable-delay monolithic pulse splitters. Applied Optics, 2007, 46, 5967.	2.1	14
156	Analytic model of rotational wave packet excitation with arbitrary pump polarization in the impulsive limit. , 2007, , .		0
157	Shaping Ultrafast Laser Pulses with Transient Optical Media. Springer Series in Optical Sciences, 2007, , 353-357.	0.5	0
158	Pulse Polarization Splitting with Propagation through an Ultrafast Transient Waveplate. Springer Series in Chemical Physics, 2007, , 166-168.	0.2	0
159	Measurement of Group Velocity Distortion due to Ultrafast Index of Refraction Transients. Springer Series in Optical Sciences, 2007, , 115-118.	0.5	0
160	Transient Optical Susceptibility Induced by Nonperturbative Rotational Wave Packets. Springer Series in Optical Sciences, 2007, , 209-216.	0.5	0
161	Rotational wave packet dynamics correlated to ultrafast non-time-stationary linear and nonlinear optical susceptibilities. Springer Series in Chemical Physics, 2007, , 570-572.	0.2	0
162	Soft X-Ray Laser Holographic Imaging With Sub-Micron Resolution. , 2007, , 483-489.		0

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163	Pulse polarization splitting in a transient wave plate. Optics Letters, 2006, 31, 3526.	1.7	22
164	Optimal single-pulse excitation of rotational impulsive molecular phase modulation. Optics Express, 2006, 14, 2520.	1.7	8
165	Sub 400 nm spatial resolution extreme ultraviolet holography with a table top laser. Optics Express, 2006, 14, 9636.	1.7	29
166	Pulse Polarization Splitting with Propagation through an Ultrafast Transient Waveplate. , 2006, , WC6.		0
167	Single Shot Measurement of Field-Free Rotational Revivals with Spectral Interferometry. , 2006, , .		0
168	Rotational wave packet dynamics correlated to ultrafast non-time-stationary linear and nonlinear optical susceptibilities. , 2006, , .		0
169	Pulse Polarization Splitting in a Transient Wave Plate. , 2006, , .		0
170	Non time stationary shaping of ultrafast pulses with transient molecular alignment. , 2005, , .		0
171	Spectral compression of ultrafast pulses using transiently aligned molecules. , 2005, , .		0
172	Transiently aligned molecular gases for efficient nonlinear frequency conversion. , 2005, , .		0
173	Efficient nonlinear frequency conversion with a dynamically structured nonlinearity. Optics Express, 2005, 13, 6919.	1.7	15
174	Learning from learning algorithms: Application to attosecond dynamics of high-harmonic generation. Physical Review A, 2004, 70, .	1.0	51
175	Highly coherent light at 13 nm generated by use of quasi-phase-matched high-harmonic generation. Optics Letters, 2004, 29, 1357.	1.7	48
176	Statistical study of attosecond dynamics from learning control of extreme nonlinear optics. , 2004, , .		0
177	Impulsive stimulated Raman scattering of molecular vibrations using nonlinear pulse shaping. Chemical Physics Letters, 2003, 374, 326-333.	1.2	56
178	Quasi-phase-matched generation of coherent extreme-ultraviolet light. Nature, 2003, 421, 51-54.	18.7	300
179	Phase-matching conditions for nonlinear frequency conversion by use of aligned molecular gases. Optics Letters, 2003, 28, 346.	1.7	32
180	Simplified setup for high-resolution spectroscopy that uses ultrashort pulses. Optics Letters, 2003, 28, 361.	1.7	78

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181	Phase manipulation for coherent control. , 2003, , .		0
182	Fully spatially coherent EUV source. Springer Series in Chemical Physics, 2003, , 66-68.	0.2	0
183	Self-Compression of Ultrafast Optical Pulses using Molecular Phase Modulation. Springer Series in Chemical Physics, 2003, , 199-201.	0.2	0
184	Making and Measuring Vibrational Wave Packets in Small Molecules through non-Resonant Impulsive Stimulated Raman Scattering. Springer Series in Chemical Physics, 2003, , 91-93.	0.2	0
185	Generation of Spatially Coherent Light at Extreme Ultraviolet Wavelengths. Science, 2002, 297, 376-378.	6.0	365
186	Absolute determination of the wavelength and spectrum of an extreme-ultraviolet beam by a Young's double-slit measurement. Optics Letters, 2002, 27, 707.	1.7	33
187	Nonresonant Control of Multimode Molecular Wave Packets at Room Temperature. Physical Review Letters, 2002, 88, 033001.	2.9	94
188	Small-scale Coherent EUV Light Sources from High-Harmonic Generation. AIP Conference Proceedings, 2002, , .	0.3	0
189	High average power, > 10kHz, ultrafast laser systems. , 2002, , .		0
190	Phase Modulation of Ultrashort Light Pulses using Molecular Rotational Wave Packets. Physical Review Letters, 2001, 88, 013903.	2.9	222
191	High-efficiency, single-stage 7-kHz high-average-power ultrafast laser system. Optics Letters, 2001, 26, 465.	1.7	122
192	Attosecond Time-Scale Intra-atomic Phase Matching of High Harmonic Generation. Physical Review Letters, 2001, 86, 5458-5461.	2.9	79
193	Attosecond time-scale feedback control of coherent X-ray generation. Chemical Physics, 2001, 267, 277-289.	0.9	53
194	Coherent learning control of vibrational motion in room temperature molecular gases. Chemical Physics Letters, 2001, 344, 333-338.	1.2	105
195	Generation of Broadband VUV Light Using Third-Order Cascaded Processes. Physical Review Letters, 2001, 87, 013601.	2.9	96
196	Coherent Control of XUV Radiation. Springer Series in Chemical Physics, 2001, , 42-44.	0.2	0
197	Shaped-pulse optimization of coherent emission of high-harmonic soft X-rays. Nature, 2000, 406, 164-166.	13.7	681
198	Adaptive pulse compression for transform-limited 15-fs high-energy pulse generation. Optics Letters, 2000, 25, 587.	1.7	121

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199	Sub-Optical-Cycle Coherent Control In Nonlinear Optics. Optics and Photonics News, 2000, 11, 23.	0.4	0
200	Low temperature epitaxial silicon film growth using high vacuum electron cyclotron resonance plasma deposition. Applied Physics Letters, 1995, 66, 2528-2530.	1.5	48
201	Control of high-order harmonic generation through shaped pulse optimization. , 0, , .		0
202	Novel single-atom and quasi phase-matching techniques at short wavelengths. , 0, , .		0
203	Mode selective excitation mechanisms in molecules using shaped pulses. , 0, , .		0
204	Bimolecular chemistry with shaped ultrafast laser pulses. , 0, , .		0
205	Coherent EUV imaging with bright high harmonic radiation. , 0, , .		0
206	Quasi-phase-matching of high harmonic EUV radiation. , 0, , .		0