Glen P Perram

List of Publications by Year
in descending order

197 papers	1,644 citations	430874 18 h-index	414414 32 g-index
199 all docs	199 docs citations	199 times ranked	665 citing authors

#	Article	IF	Citations
1	Resonant enhancement of two-photon absorption in rubidium with crossed polarizations. Optics Communications, 2022, 510, 127943.	2.1	2
2	Shock front detachment during pulsed laser ablation of graphite. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	3
3	Shock front behavior during pulsed laser ablation of graphite. Optical Engineering, 2021, 60, .	1.0	1
4	Rubidium excited state line shapes from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si46.svg"><mml:mrow><mml:mn>5</mml:mn><mml:mi>P</mml:mi></mml:mrow></mml:math> to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si32.svg"><mml:mrow><mml:mn>5</mml:mn><mml:mi>D</mml:mi></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si33.svg"><mml:mrow><mn	2.3	4
5	Efficient cascade lasing on over 17 wavelengths from two-photon excitation of the cesium <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e4610" altimg="si6.svg"><mml:msup><mml:mrow><mml:mn>6</mml:mn></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></m states. Optics Communications, 2020, 476, 126328.	2.1	3
6	Impacts of Laboratory Vibrations and Laser Flicker Noise on Digital Holography. IEEE Journal of Quantum Electronics, 2020, 56, 1-7.	1.9	7
7	The cesium 62P3/2 to 82S1/2 line shape broadened by He, Ar, and Kr. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 250, 107010.	2.3	4
8	Temperature dependence of the fine structure mixing induced by 4He and 3He in K and Rb Diode Pumped Alkali Lasers. Applied Physics B: Lasers and Optics, 2020, 126, 1.	2.2	4
9	Digital holography experiments with degraded temporal coherence. Optical Engineering, 2020, 59, 1.	1.0	10
10	Digital Holography for Laser Weapons and Remote Sensing. , 2020, , .		1
11	Picosecond laser ablation of metals and semiconductors with low-transverse order Gaussian beams. Optical Engineering, 2020, 60, .	1.0	0
12	Excitation of higher lying states in a potassium diode-pumped alkali laser. Applied Physics B: Lasers and Optics, 2019, 125, 1.	2.2	7
13	Rubidium D1 and D2 far wing line shapes induced by rare gases. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 224, 550-555.	2.3	8
14	Laser ablation of metals and semiconductors with 100Âps to 100â€‰Î¼s pulses. Optical Engineering, 2019, 58, 1	1.0	4
15	Digital holography efficiency measurements with excess noise. Applied Optics, 2019, 58, G19.	1.8	13
16	Deep-turbulence wavefront sensing using digital holography in the on-axis phase shifting recording geometry with comparisons to the self-referencing interferometer. Applied Optics, 2019, 58, A179.	1.8	31
17	Heterodyne Mixing Efficiency of a Digital Holography System. , 2019, , .		0
18	Laser linewidth measurements using digital holography. , 2019, , .		0

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19	Effects of sinusoidal phase modulation on the signal-to-noise ratio in a digital holography system. , 2019, , .		1
20	Comparison of plume dynamics for laser ablated metals: Al and Ti. Journal of Applied Physics, 2018, 123, .	2.5	15
21	Kinetics, evolving thermal properties, and surface ignition of carbon fiber reinforced epoxy composite during laser-induced decomposition. Polymer Degradation and Stability, 2018, 152, 147-161.	5.8	17
22	Saturation spectroscopy of an optically opaque argon plasma. Applied Physics B: Lasers and Optics, 2018, 124, 1.	2.2	0
23	Temperature dependence of the helium induced broadening and shift of the Rb D1 and D2 lines. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 206, 151-156.	2.3	9
24	Experimental study of laser irradiated graphite oxidation using IFTS. Combustion and Flame, 2018, 192, 180-189.	5.2	6
25	Analytic treatment of beam quality and power efficiency in a high-power transverse flow diode pumped alkali laser. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 2202.	2.1	12
26	Laser ablated Ti velocity distribution dynamics. Journal of the Optical Society of America B: Optical Physics, 2018, 35, B27.	2.1	9
27	Five-level argonâ€“helium discharge model for characterization of a diode-pumped rare-gas laser. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 164.	2.1	27
28	Visible aluminum monoxide emission during long pulse mid-infrared ablation of aluminum in air. Journal of the Optical Society of America B: Optical Physics, 2018, 35, B54.	2.1	3
29	Excitation of higher lying energy states in a rubidium DPAL. , 2018, , .		2
30	Wavelength diversity in optically pumped alkali vapor lasers. Proceedings of SPIE, 2017, , .	0.8	1
31	Unstable resonators for high power diode pumped alkali lasers. Proceedings of SPIE, 2017, , .	0.8	1
32	Oxidation and sublimation of porous graphite during fiber laser irradiation. Proceedings of SPIE, 2017, , .	0.8	0
33	Time-resolved fine structure mixing of cesium ${8}^{2}D$ induced by helium and argon. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 225204.	1.5	1
34	Role of adiabaticity in controlling alkali-metal fine-structure mixing induced by rare gases. Physical Review A, 2017, 95, .	2.5	9
35	Pressure broadening and shift rates for Ar (sâ€“p) transitions observed in an Arâ€“He discharge. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 179, 40-50.	2.3	17
36	Near infrared rubidium 62P3/2,1/2â†'62S1/2 laser. Optics Communications, 2016, 374, 51-57.	2.1	13

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37	High pressure line shapes of the Rb D1 and D2 lines for 4He and 3He collisions. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 184, 118-134.	2.3	20
38	Mass removal by oxidation and sublimation of porous graphite during fiber laser irradiation. Optical Engineering, 2016, 56, 011013.	1.0	5
39	Spin-orbit relaxation of cesium<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mn>7</mml:mn><mml:mi>Â</mml:mi><mml:mrow><mml:msup><mml:mi width="0.16em" /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msup><mml:mi>D</mml:mi></mml:mrow></mml:math>in mixtures of helium and argon. Physical Review A, 2016, 93, .	2.5	5
40	Combustion kinetics of laser irradiated porous graphite from imaging Fourier transform spectroscopy. Combustion and Flame, 2016, 163, 90-99.	5.2	5
41	Intensity scaling of an optically pumped potassium laser. Optics Communications, 2015, 357, 63-66.	2.1	9
42	Spectral and temperature-dependent infrared emissivity measurements of painted metals for improved temperature estimation during laser damage testing. Proceedings of SPIE, 2014, , .	0.8	4
43	Effects of optical aberration on chromotomographic reconstruction. , 2014, , .		0
44	The role of adiabaticity in alkali atom-fine structure mixing. Proceedings of SPIE, 2014, , .	0.8	4
45	Fiber laser heating and penetration of aluminum in shear flow. Optical Engineering, 2014, 53, 122510.	1.0	11
46	_{An experimental high pressure line shape study of the rubidium D₁and D₂transitions with the noble gases, methane, and ethane}. Proceedings of SPIE, 2014, , .	0.8	7
47	High pressure line shapes for Cs D1 and D2 lines and empirically informed interaction potentials. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 147, 261-273.	2.3	17
48	Gas-Phase Plume from Laser-Irradiated Fiberglass-Reinforced Polymers via Imaging Fourier Transform Spectroscopy. Applied Spectroscopy, 2014, 68, 723-732.	2.2	8
49	A three-level model for alkali metal vapor lasers. Part II: broadband optical pumping. Applied Physics B: Lasers and Optics, 2013, 112, 507-520.	2.2	35
50	Demonstration of a 459-nm pulsed, optically pumped cesium vapor laser. Optics Communications, 2013, 300, 51-57.	2.1	7
51	Stimulated electronic Raman and hyper-Raman scattering in potassium vapor. Optics Communications, 2013, 309, 21-25.	2.1	13
52	Investigation of atmospheric $$ {ext{O}}_{2}{ext{X}}{^{ 3}}{ sum_{ext{g}}^{ - }} ,{ext{to}}, {ext{b}}{^{ 1}}{ sum_{ext{g}}^{ + }} $$ using open-path tunable diode laser absorption spectroscopy. Applied Physics B: Lasers and Optics, 2013, 111, 173-182.	2.2	3
53	Two photon absorption and stimulated Raman scattering in alkali vapor lasers. Proceedings of SPIE, 2013, , .	0.8	0
54	Temperature dynamics of aluminized cyclotrimethylenetrinitramine fireballs for event classification. Optical Engineering, 2013, 53, 021106.	1.0	6

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55	Effects of atmospheric transmission of high power diode pumped alkali lasers. , 2013, , .		1
56	Role of excited state photoionization in the 852.1â€‰nm Cs laser pumped by Cs-Ar photoassociation. Applied Physics Letters, 2013, 102, 111104.	3.3	17
57	Short-Range Demonstrations of Monocular Passive Ranging Using O₂ (X³Î£_g^{â^'} â†' b¹Î£⁺_g) Absorption Spectra. Applied Spectroscopy, 2013, 67, 513-519.	2.2	11
58	Hyperspectral and gated ICCD imagery for laser irradiated carbon materials. , 2013, , .		3
59	Spatial and spectral performance of a chromotomosynthetic hyperspectral imaging system. Review of Scientific Instruments, 2012, 83, 033110.	1.3	6
60	Hyperspectral image reconstruction of an array of extended targets using chromotomosynthesis. Optical Engineering, 2012, 51, 103205.	1.0	1
61	Classification of visible point sources using hyperspectral chromotomosynthetic imagery. Journal of Applied Remote Sensing, 2012, 6, 063584.	1.3	0
62	Remote discrimination of large-caliber gun firing signatures. Journal of Applied Remote Sensing, 2012, 6, 063607.	1.3	2
63	Atmospheric transmission for cesium DPAL using TDLAS. Proceedings of SPIE, 2012, , .	0.8	2
64	Instrumental error in chromotomosynthetic hyperspectral imaging. Applied Optics, 2012, 51, 5186.	1.8	4
65	Open-path atmospheric transmission for a diode-pumped cesium laser. Applied Optics, 2012, 51, 8102.	1.8	9
66	Spin-orbit relaxation and quenching of cesium 7<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mspace width="0.16em" /><mml:mn>2</mml:mn></mml:msup><mml:mspace width="-0.16em" /><mml:mi>P</mml:mi></mml:mrow></mml:math>in mixtures of helium, methane, and ethane. Physical Review A, 2012, 85, .	2.5	7
67	Determination of low pressure broadening and shift rates for K, Rb, and Cs collisions with rare gases from Anderson Tallman theory. Proceedings of SPIE, 2012, , .	0.8	2
68	Chromotomosynthesis for high speed hyperspectral imagery. , 2012, , .		0
69	Field deployable TDLAS for long path atmospheric transmission. Proceedings of SPIE, 2012, , .	0.8	0
70	Investigation of radial temperature gradients in diode pumped alkali lasers using tunable diode laser absorption spectroscopy. , 2012, , .		3
71	Mid-infrared imaging Fourier transform spectrometry for high power fiber laser irradiated fiberglass composites. , 2012, , .		2
72	Diode pumped alkali laser kinetics: comparison of theory and experiment. , 2012, , .		0

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73	Alternative wavelengths for optically pumped alkali lasers. Proceedings of SPIE, 2012, , .	0.8	1
74	Wavelength and temperature dependence of continuous-wave laser absorptance in Kapton^{Â®} thin films. Optical Engineering, 2012, 51, 121802.	1.0	8
75	Modeling midwave infrared muzzle flash spectra from unsuppressed and flash-suppressed large caliber munitions. Infrared Physics and Technology, 2012, 55, 246-255.	2.9	11
76	Characterization and discrimination of large caliber gun blast and flash signatures. , 2012, , .		1
77	Diode-pumped alkali laser-bleached wave dynamics. Proceedings of SPIE, 2012, , .	0.8	1
78	Optical delay with spectral hole burning in Doppler-broadened cesium vapor. Optics Communications, 2012, 285, 3264-3268.	2.1	5
79	Empirical model for the temporally resolved temperatures of post-detonation fireballs for aluminized high explosives. , 2011, , .		6
80	Determining the Two-Photon Absorption Cross-Section for the 5²S_{1/2} --> 5²D_{5/2} Transition in Naturally Occurring Rubidium. , 2011, , .		0
81	Visible and Near-Infrared Spectra of the Secondary Combustion of a 152 mm Howitzer. Applied Spectroscopy, 2011, 65, 1363-1371.	2.2	9
82	A tunable diode laser absorption system for long path atmospheric transmission and high energy laser applications. Proceedings of SPIE, 2011, , .	0.8	5
83	Pulsed ablation of carbon/graphite surfaces and development of plume-kinetics model. Proceedings of SPIE, 2011, , .	0.8	2
84	Reduction of optically observed artillery blast wave trajectories using low dimensionality models. Proceedings of SPIE, 2011, , .	0.8	5
85	Flight test of an imaging O 2 (X-b) monocular passive ranging instrument. , 2011, , .		7
86	Cesium laser operating in the blue by direct optical excitation of the 7²P 3/2 state. Proceedings of SPIE, 2011, , .	0.8	7
87	Tuneable Hyper-Raman Laser in Potassium Vapor. , 2011, , .		0
88	Tunable optical delay hole burning and ground state depletion effects in cesium vapor. Proceedings of SPIE, 2011, , .	0.8	0
89	Limitations of an optically pumped rubidium laser imposed by atom recycle rate. Applied Physics B: Lasers and Optics, 2011, 103, 819-824.	2.2	26
90	Velocity changing collisions in the laser saturation spectra of 87Rb D2 Fâ€³ = 2. Optics Communications, 2011, 284, 2890-2894.	2.1	11

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91	Optical Characterization of Large Caliber Muzzle Blast Waves. Propellants, Explosives, Pyrotechnics, 2011, 36, 564-575.	1.6	18
92	Laser-induced damage of Kapton thin films demonstrating temperature and wavelength dependent absorptance: a case study in remote-sensing material analysis. , 2011, , .		1
93	Transfer between the cesium<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>6</mml:mn><mml:msup><mml:mspace width="0.16em" /><mml:mn>2</mml:mn></mml:msup><mml:msub><mml:mi>P</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo></mml:mo><mml:mo><</mml:mo></mml:mrow></mml:msub></mml:mrow></mml:math>-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>6</mml:mn><mml:msup><mml:mspace width="0.16em" /><mml:mn>2</mml:mn></mml:msup><mml:m. Physical Review A, 2011, 84, .	2.5	39
94	Influence of Broadband Excitation on the Performance of Diode Pumped Alkali Lasers. , 2011, , .		2
95	Instrument calibration and lineshape modeling for ultraspectral imagery measurements of industrial smokestack emissions. Proceedings of SPIE, 2010, , .	0.8	12
96	First imaging Fourier-transform spectral measurements of detonation in an internal combustion engine. Proceedings of SPIE, 2010, , .	0.8	2
97	Slow light in cesium vapor: pulse delay measurements and predicted delay. , 2010, , .		1
98	Simulating systematic scene-change artifacts in Fourier-transform spectroscopy. , 2010, , .		4
99	Effect of Residence Time on Singlet Oxygen Production in Microwave and RF Discharges. , 2010, , .		0
100	Frequency Dependant Optical Delay With Gain In A Cesium Diode Pumped Alkali Laser System. , 2010, , .		0
101	A Three Level Analytic Model for Alkali Vapor Lasers. , 2010, , .		1
102	Recycle Rate in a Pulsed, Optically Pumped Rubidium Laser. , 2010, , .		0
103	Pressure broadening and shift of the cesium<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>D</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>-line by the noble gases and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">N</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>,<mml:m	2.5	45
104	Blue and infrared stimulated emission from alkali vapors pumped through two-photon absorption. Applied Physics B: Lasers and Optics, 2010, 101, 57-63.	2.2	48
105	A three-level analytic model for alkali metal vapor lasers: partÂI.ÂNarrowband optical pumping. Applied Physics B: Lasers and Optics, 2010, 101, 45-56.	2.2	87
106	A pulsed, optically-pumped rubidium laser at high pump intensity. Optics Communications, 2010, 283, 4328-4332.	2.1	34
107	High speed radiometric measurements of IED detonation fireballs. Proceedings of SPIE, 2010, , .	0.8	7
108	High speed spectral measurements of IED detonation fireballs. , 2010, , .		4

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109	Extended saturation analysis and analytical model of diode-pumped alkali lasers. , 2010, , .		4
110	Instrumental systematic errors in a chromotomographic hyperspectral imaging system. , 2010, , .		0
111	Frequency tuning of the optical delay in cesium<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>D</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> including hyperfine structure. Physical Review A, 2010, 81, .	2.5	4
112	Chromotomographic imager field demonstration results. Proceedings of SPIE, 2010, , .	0.8	3
113	Imaging Fourier Transform Spectrometry of Combustion Events. IEEE Sensors Journal, 2010, 10, 779-785.	4.7	2
114	Electronic State Distributions of YBa2Cu3O7-x Laser-Ablated Plumes. Applied Spectroscopy, 2010, 64, 742-749.	2.2	0
115	Remote Identification and Quantification of Industrial Smokestack Effluents via Imaging Fourier-Transform Spectroscopy. Environmental Science & Technology, 2010, 44, 9390-9397.	10.0	65
116	Alkali Lasers Operating in the Infrared and Blue Pumped by Two Red Photon Absorption. , 2010, , .		2
117	Temporal Dynamics of an Optically Pumped Pulsed Alkali Laser at High Pump Intensity. , 2010, , .		0
118	Rates for Velocity-Changing Collisions in Optically Pumped Rubidium Laser. , 2010, , .		0
119	Worldwide Mission Planning Tool for Tactical Laser Systems. Journal of Aerospace Computing, Information, and Communication, 2009, 6, 491-505.	0.8	3
120	Characterization of spatial and spectral resolution of a rotating prism chromotomographic hyperspectral imager. , 2009, , .		2
121	Imaging Fourier transform spectrometry of jet engine exhaust with the telops FIRST-MWE. , 2009, , .		4
122	Crossed-beam intermodulated fluorescence spectroscopy as a spatially resolved temperature diagnostic for supersonic nozzles. Applied Optics, 2009, 48, 4917.	2.1	0
123	Hazard Detection Analysis for a Forward-Looking Interferometer. , 2009, , .		2
124	Pressure broadening and shift of the cesium<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>D</mml:mi><mml:mn>1</mml:mn></mml:msub></mml:mrow></mml:math>transi by the noble gases and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mtext>N</mml:mtext><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>	2.5	76
125	Understanding and overcoming scene-change artifacts in imaging Fourier-transform spectroscopy of turbulent jet engine exhaust. Proceedings of SPIE, 2009, , .	0.8	9
126	Characterizing and overcoming spectral artifacts in imaging Fourier-transform spectroscopy of turbulent exhaust plumes. Proceedings of SPIE, 2009, , .	0.8	9

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127	Imaging Fourier transform spectrometry of chemical plumes. Proceedings of SPIE, 2009, , .	0.8	1
128	Temporally resolved infrared spectra from the detonation of advanced munitions. Proceedings of SPIE, 2009, , .	0.8	9
129	HYPERSPECTRAL IMAGING USING CHROMOTOMOGRAPHY: A FIELDABLE VISIBLE INSTRUMENT FOR TRANSIENT EVENTS. Selected Topics in Electornics and Systems, 2009, , 293-303.	0.2	0
130	Pressure broadening by argon in the hyperfine resolved P(10) and P(70) (17,1) transitions of I2 X1Î£(0g+)â†'B3Î(0u+) using sub-Doppler laser saturation spectroscopy. Journal of Quantitative Spectroscopy and Radiative Transfer, 2008, 109, 1875-1885.	2.3	6
131	Electronic quenching of Bi2 vâ€²=18â€“23 by rare gases and nitrogen. Chemical Physics, 2008, 343, 31-34.	1.9	0
132	Interferometric radiometer for in-flight detection of aviation hazards. Proceedings of SPIE, 2008, , .	0.8	0
133	Pressure broadening of the D1 and D2 lines in diode pumped alkali lasers. Proceedings of SPIE, 2008, , .	0.8	25
134	HYPERSPECTRAL IMAGING USING CHROMOTOMOGRAPHY: A FIELDABLE VISIBLE INSTRUMENT FOR TRANSIENT EVENTS. International Journal of High Speed Electronics and Systems, 2008, 18, 519-529.	0.7	3
135	THE PHENOMENOLOGY OF HIGH EXPLOSIVE FIREBALLS FROM FIELDED SPECTROSCOPIC AND IMAGING SENSORS FOR EVENT CLASSIFICATION. International Journal of High Speed Electronics and Systems, 2008, 18, 19-29.	0.7	7
136	A quasi-two level analytic model for end pumped alkali metal vapor laser. Proceedings of SPIE, 2008, , .	0.8	9
137	THE PHENOMENOLOGY OF HIGH EXPLOSIVE FIREBALLS FROM FIELDED SPECTROSCOPIC AND IMAGING SENSORS FOR EVENT CLASSIFICATION. Selected Topics in Electornics and Systems, 2008, , 277-287.	0.2	0
138	Predissociation of Bi2 A(0u+), vâ€²=21â€“39. Journal of Chemical Physics, 2007, 126, 084310.	3.0	1
139	Phenomenological fireball model for remote identification of high-explosives. , 2007, 6566, 341.		21
140	Worldwide estimates and uncertainty assessments of laser propagation for diverse geometries for paths in the altitude regime of 3 km and below at wavelengths 0.355 Î¼m to 10.6 Î¼m. , 2007, , .		2
141	Ultrasensitive Absorption Measurements of Metastable Species: Pressure Broadening of the b1?g - a1?g (1,0) Band in Oxygen using off-axis integrated-cavity output spectroscopy. , 2007, , .		0
142	PLIF of a Low Pressure Supersonic Nozzle Flow: Temperature and PRessure Distribution for Different Flow Conditions. , 2007, , .		0
143	Passive ranging of boost-phase missiles. , 2007, , .		6
144	Shock front dynamics in the pulsed laser deposition of YBa₂Cu₃O_{7â^'x}. Journal Physics D: Applied Physics, 2007, 40, 4447-4453.	2.8	17

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145	An information-theoretic approach to band selection. , 2005, 5811, 15.		2
146	Passive ranging of emissive targets using atmospheric oxygen absorption lines. , 2005, 5811, 112.		5
147	Modeling infrared spectral intensity data from bomb detonations. , 2005, 5811, 100.		9
148	Detonation discrimination and feature saliency using a near-infrared focal plane array and a visible CCD camera. , 2005, , .		2
149	Methodology for comparing worldwide performance of diverse weight-constrained high energy laser systems. , 2005, , .		20
150	Time-of-flight emission profiles of the entire plume using fast imaging during pulsed laser deposition of YBa2Cu3O7â˜x. Review of Scientific Instruments, 2005, 76, 093101.	1.3	7
151	Optical diagnostics for the pulsed laser deposition of YBa 2 Cu 3 O 7-x superconducting wires. , 2004, , .		0
152	<title>High-energy laser weapons: technology overview</title>. , 2004, 5414, 1.		21
153	A study of collision broadening in the O2 A-band with the noble gases using fourier transform spectroscopy. Journal of Molecular Spectroscopy, 2004, 223, 205-213.	1.2	10
154	Detonation discrimination techniques using a near-infrared focal plane array camera. , 2004, , .		2
155	Singlet oxygen kinetics in a double microwave discharge. , 2004, 5448, 1039.		1
156	Infrared signatures from bomb detonations. Infrared Physics and Technology, 2003, 44, 101-107.	2.9	29
157	Spatially-resolved Temperatures in Laser Mixing Nozzles Using Laser Saturation Spectroscopy. , 2003, , .		0
158	Phenomenology of exploding ordnance using spectrally and temporally resolved infrared emissions. , 2003, , .		2
159	Detonation discrimination techniques using a Fourier transform infrared spectrometer system and a near-infrared focal plane array. , 2003, , .		2
160	Collisional dynamics of Bi[sub 2]â€ŠA(0[sub u][sup +]). II. State-to-state rotational energy transfer. Journal of Chemical Physics, 2002, 116, 4896.	3.0	3
161	Energy transfer dynamics in the A(0 u+) state of Bi 2. , 2002, 4631, 244.		0
162	Spatially resolved temperature diagnostic for the chemical oxygen-iodine laser based on a variant of saturation spectroscopy. , 2002, 4631, 145.		0

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163	In situ creation of nanoparticles from YBCO by pulsed laser deposition. Physica C: Superconductivity and Its Applications, 2002, 377, 578-584.	1.2	22
164	Spectral and temporal characterization of infrared emissions from conventional munitions detonations. , 2001, , .		0
165	Collision broadening of rotational transitions in the O2A band by molecular perturbers. Journal of Quantitative Spectroscopy and Radiative Transfer, 2000, 64, 363-377.	2.3	13
166	Collisional dynamics of Bi2 A(0u+). I. Quantum-resolved vibrational energy transfer for vâ€²=0â€“4. Journal of Chemical Physics, 1999, 111, 5757-5763.	3.0	4
167	Laser Excitation Spectra and Franckâ€“Condon Factors for Bi2X1Î£+gâ†'A(0+u). Journal of Molecular Spectroscopy, 1999, 194, 1-7.	1.2	7
168	Long-term desorption of trichloroethylene from flint clay using multiplexed optical detection. Environmental Pollution, 1999, 104, 397-400.	7.5	3
169	Characterization of a Br(2 P 1/2)-CO 2 (10 0 1-10 0 0) transfer laser driven by photolysis of iodine monobromide. Applied Physics B: Lasers and Optics, 1998, 66, 411-415.	2.2	0
170	Role of rotational-energy defect in collisional transfer between the52P1/2,3/2levels in rubidium. Physical Review A, 1998, 57, 4045-4048.	2.5	18
171	Collision-induced transitions between the Zeeman-split(J,m)levels ofRb(52P1/2,52P3/2). Physical Review A, 1998, 58, 2023-2029.	2.5	13
172	Dynamics of a Br(4 2 P 1/2 â†'4 2 P 3/2) pulsed laser and a Br(2 P 1/2)-NO(v=2â†'v=1) transfer laser driven by photolysis of iodine monobromide. Applied Physics B: Lasers and Optics, 1997, 65, 5-12.	2.2	1
173	Collisional broadening and shift of the rubidium D1 and D2 lines () by rare gases, H2, D2, N2, CH4 and CF4. Journal of Quantitative Spectroscopy and Radiative Transfer, 1997, 57, 497-507.	2.3	126
174	Spectroscopic Study of the Br2B3Î(0U+)â€“X1Î£G+SYSTEM Using Fourier Transform Absorption and Laser-Induced Fluorescence Techniques. Journal of Molecular Spectroscopy, 1997, 184, 273-276.	1.2	3
175	Spinâ€“orbit relaxation kinetics of Br(4â€‰2P1/2). Journal of Chemical Physics, 1996, 104, 7052-7058.	3.0	15
176	<title>Infrared NO(v=2 1) laser pumped by energy transfer from Br(2P1/2)</title>. , 1995, 2502, 514.		1
177	Approximate analytic solution for the dissociation of molecular iodine in the presence of singlet oxygen. International Journal of Chemical Kinetics, 1995, 27, 817-828.	1.6	60
178	Infrared fluorescence study of electronic-to-vibrational energy transfer in the -NO system. Chemical Physics, 1995, 195, 395-401.	1.9	0
179	Desorption Kinetics of Trichloroethylene from Powdered Soils. Environmental Science & Technology, 1995, 29, 1564-1568.	10.0	6
180	<title>Quantum-resolved vibrational energy transfer in Br2 B3II(Ou+)</title>. , 1994, , .		0

#	Article	IF	Citations
181	Simplified kinetic model for chemical oxygen-iodine lasers. , 1994, , .		2
182	Collisional dynamics of the BrCl Bâ€‰3Î(0+) state. II. Vibrational and rotational energy transfer. Journal of Chemical Physics, 1993, 98, 373-382.	3.0	3
183	Quantum resolved rotational energy transfer in the Bâ€‰3Î(0+u) state of Br2. Journal of Chemical Physics, 1993, 99, 6634-6641.	3.0	7
184	Radial diffusion between coaxial cylinders and surface deactivation of O 2 (b1E g+). , 1993, , .		0
185	Collisional dynamics of the BrF Bâ€‰3Î(0+) state. I. Electronic quenching. Journal of Chemical Physics, 1992, 96, 6666-6671.	3.0	1
186	Collisional dynamics of the BrF Bâ€‰3Î(0+) state. II. Vibrational energy transfer. Journal of Chemical Physics, 1992, 97, 3258-3264.	3.0	4
187	Radial diffusion between coaxial cylinders and surface deactivation of O2 (b 1Î£+g). Chemical Physics, 1992, 162, 427-432.	1.9	10
188	Short wavelength chemical laser development. , 1992, , .		0
189	Collisional dynamics of the BrCl Bâ€‰3Î(O+) state. I. Electronic quenching. Journal of Chemical Physics, 1990, 93, 1720-1731.	3.0	5
190	Long wavelength vibronic band analysis of the B 3Î(0+)â†'X 1Î£+ transitions of 79Br35Cl and 81Br35Cl. Chemical Physics, 1989, 139, 347-357.	1.9	7
191	Generation of highâ€‰number densities of iodine monofluoride in a supersonic flow. Journal of Applied Physics, 1989, 66, 6093-6097.	2.5	7
192	Collisional dynamics of the B3 Pi(0+) state of bromine monochloride. , 1988, , .		0
193	Mathematical model of beam intensity dispersion at the detector plane in a molecularâ€beam apparatus. Review of Scientific Instruments, 1983, 54, 275-276.	1.3	3
194	Intensity scaling for diode pumped alkali lasers. SPIE Newsroom, 0, , .	0.1	5
195	Blue and IR alkali lasers pumped by multiphoton absorption. SPIE Newsroom, 0, , .	0.1	0
196	Temperature gradients in diode-pumped alkali lasers. SPIE Newsroom, 0, , .	0.1	0
197	Pulsed laser source digital holography efficiency measurements. Applied Optics, 0, , .	1.8	7