

Glen P Perram

List of Publications by Year in descending order

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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	Collisional broadening and shift of the rubidium D1 and D2 lines (λ) by rare gases, H ₂ , D ₂ , N ₂ , CH ₄ and CF ₄ . Journal of Quantitative Spectroscopy and Radiative Transfer, 1997, 57, 497-507.	2.3	126
2	A three-level analytic model for alkali metal vapor lasers: part I. Narrowband optical pumping. Applied Physics B: Lasers and Optics, 2010, 101, 45-56.	2.2	87
3	Pressure broadening and shift of the cesium D ₁ and D ₂ lines by the noble gases and N_2 . Applied Physics B: Lasers and Optics, 2010, 101, 57-63.	2.5	76
4	Remote Identification and Quantification of Industrial Smokestack Effluents via Imaging Fourier-Transform Spectroscopy. Environmental Science & Technology, 2010, 44, 9390-9397.	10.0	65
5	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
6	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
7	Pressure broadening and shift of the cesium D ₁ and D ₂ lines by the noble gases and N_2 . Applied Physics B: Lasers and Optics, 2010, 101, 57-63.	2.5	45
8	Transfer between the cesium D ₁ and D ₂ lines. Physical Review A, 2011, 84, .	2.5	39
9	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
10	A pulsed, optically-pumped rubidium laser at high pump intensity. Optics Communications, 2010, 283, 4328-4332.	2.1	34
11	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
12	Infrared signatures from bomb detonations. Infrared Physics and Technology, 2003, 44, 101-107.	2.9	29
13	Five-level argon-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
14	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
15	Pressure broadening of the D1 and D2 lines in diode pumped alkali lasers. Proceedings of SPIE, 2008, , .	0.8	25
16	In situ creation of nanoparticles from YBCO by pulsed laser deposition. Physica C: Superconductivity and Its Applications, 2002, 377, 578-584.	1.2	22
17	<title>High-energy laser weapons: technology overview</title>. , 2004, 5414, 1.		21
18	Phenomenological fireball model for remote identification of high-explosives. , 2007, 6566, 341.		21

#	ARTICLE	IF	CITATIONS
19	Methodology for comparing worldwide performance of diverse weight-constrained high energy laser systems. , 2005, , .		20
20	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
21	Role of rotational-energy defect in collisional transfer between the $5^2P_{1/2,3/2}$ levels in rubidium. Physical Review A, 1998, 57, 4045-4048.	2.5	18
22	Optical Characterization of Large Caliber Muzzle Blast Waves. Propellants, Explosives, Pyrotechnics, 2011, 36, 564-575.	1.6	18
23	Shock front dynamics in the pulsed laser deposition of $YBa_{2}Cu_{3}O_{7-\delta}$. Journal Physics D: Applied Physics, 2007, 40, 4447-4453.	2.8	17
24	Role of excited state photoionization in the 852.1nm Cs laser pumped by Cs-Ar photoassociation. Applied Physics Letters, 2013, 102, 111104.	3.3	17
25	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
26	Pressure broadening and shift rates for Ar (s^1p) transitions observed in an Ar-He discharge. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 179, 40-50.	2.3	17
27	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
28	Spin-orbit relaxation kinetics of Br($4^2P_{1/2}$). Journal of Chemical Physics, 1996, 104, 7052-7058.	3.0	15
29	Comparison of plume dynamics for laser ablated metals: Al and Ti. Journal of Applied Physics, 2018, 123, .	2.5	15
30	Collision-induced transitions between the Zeeman-split(J,m)levels ofRb($5^2P_{1/2,5^2P_{3/2}}$). Physical Review A, 1998, 58, 2023-2029.	2.5	13
31	Collision broadening of rotational transitions in the O ₂ A band by molecular perturbers. Journal of Quantitative Spectroscopy and Radiative Transfer, 2000, 64, 363-377.	2.3	13
32	Stimulated electronic Raman and hyper-Raman scattering in potassium vapor. Optics Communications, 2013, 309, 21-25.	2.1	13
33	Near infrared rubidium $6^2P_{3/2,1/2} \rightarrow 6^2S_{1/2}$ laser. Optics Communications, 2016, 374, 51-57.	2.1	13
34	Digital holography efficiency measurements with excess noise. Applied Optics, 2019, 58, G19.	1.8	13
35	Instrument calibration and lineshape modeling for ultraspectral imagery measurements of industrial smokestack emissions. Proceedings of SPIE, 2010, , .	0.8	12
36	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

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37	Velocity changing collisions in the laser saturation spectra of 87Rb D2 $F=2$. Optics Communications, 2011, 284, 2890-2894.	2.1	11
38	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
39	Short-Range Demonstrations of Monocular Passive Ranging Using O_2 ($X^{3\Sigma_g^-} \rightarrow X^1\Sigma_g^+$) Absorption Spectra. Applied Spectroscopy, 2013, 67, 513-519.	2.2	11
40	Fiber laser heating and penetration of aluminum in shear flow. Optical Engineering, 2014, 53, 122510.	1.0	11
41	Radial diffusion between coaxial cylinders and surface deactivation of O_2 ($b^1\Sigma_g^+$). Chemical Physics, 1992, 162, 427-432.	1.9	10
42	A study of collision broadening in the O_2 A-band with the noble gases using fourier transform spectroscopy. Journal of Molecular Spectroscopy, 2004, 223, 205-213.	1.2	10
43	Digital holography experiments with degraded temporal coherence. Optical Engineering, 2020, 59, 1.	1.0	10
44	Modeling infrared spectral intensity data from bomb detonations. , 2005, 5811, 100.		9
45	A quasi-two level analytic model for end pumped alkali metal vapor laser. Proceedings of SPIE, 2008, , .	0.8	9
46	Understanding and overcoming scene-change artifacts in imaging Fourier-transform spectroscopy of turbulent jet engine exhaust. Proceedings of SPIE, 2009, , .	0.8	9
47	Characterizing and overcoming spectral artifacts in imaging Fourier-transform spectroscopy of turbulent exhaust plumes. Proceedings of SPIE, 2009, , .	0.8	9
48	Temporally resolved infrared spectra from the detonation of advanced munitions. Proceedings of SPIE, 2009, , .	0.8	9
49	Visible and Near-Infrared Spectra of the Secondary Combustion of a 152 mm Howitzer. Applied Spectroscopy, 2011, 65, 1363-1371.	2.2	9
50	Open-path atmospheric transmission for a diode-pumped cesium laser. Applied Optics, 2012, 51, 8102.	1.8	9
51	Intensity scaling of an optically pumped potassium laser. Optics Communications, 2015, 357, 63-66.	2.1	9
52	Role of adiabaticity in controlling alkali-metal fine-structure mixing induced by rare gases. Physical Review A, 2017, 95, .	2.5	9
53	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
54	Laser ablated Ti velocity distribution dynamics. Journal of the Optical Society of America B: Optical Physics, 2018, 35, B27.	2.1	9

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55	Wavelength and temperature dependence of continuous-wave laser absorptance in Kapton<sup>®</sup> thin films. Optical Engineering, 2012, 51, 121802.	1.0	8
56	Gas-Phase Plume from Laser-Irradiated Fiberglass-Reinforced Polymers via Imaging Fourier Transform Spectroscopy. Applied Spectroscopy, 2014, 68, 723-732.	2.2	8
57	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
58	Long wavelength vibronic band analysis of the B 3 $\hat{1}$ (0+) \hat{A} 1 $\hat{1}$ + transitions of 79Br35Cl and 81Br35Cl. Chemical Physics, 1989, 139, 347-357.	1.9	7
59	Generation of high number densities of iodine monofluoride in a supersonic flow. Journal of Applied Physics, 1989, 66, 6093-6097.	2.5	7
60	Quantum resolved rotational energy transfer in the B $\hat{1}$ (0+u) state of Br ₂ . Journal of Chemical Physics, 1993, 99, 6634-6641.	3.0	7
61	Laser Excitation Spectra and Franck-Condon Factors for Bi ₂ X $\hat{1}$ + \hat{A} (0+u). Journal of Molecular Spectroscopy, 1999, 194, 1-7.	1.2	7
62	Time-of-flight emission profiles of the entire plume using fast imaging during pulsed laser deposition of YBa ₂ Cu ₃ O _{7-x} . Review of Scientific Instruments, 2005, 76, 093101.	1.3	7
63	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
64	High speed radiometric measurements of IED detonation fireballs. Proceedings of SPIE, 2010, , .	0.8	7
65	Flight test of an imaging O ₂ (X-b) monocular passive ranging instrument. , 2011, , .		7
66	Cesium laser operating in the blue by direct optical excitation of the 7 ² P _{3/2} state. Proceedings of SPIE, 2011, , .	0.8	7
67	Spin-orbit relaxation and quenching of cesium 7 $\hat{2}$ P _{3/2} state. $\text{display="inline"} < \text{mml:mrow} > < \text{mml:msup} > < \text{mml:mpace width="0.16em"} > < \text{mml:mn} > 2 < \text{mml:mn} > < \text{mml:msup} > < \text{mml:mpace width="-0.16em"} > < \text{mml:mi} > P < \text{mml:mi} > < \text{mml:mrow} > < \text{mml:math} > \text{in mixtures of helium, methane, and ethane. Physical Review A, 2012, 85, , .$	2.5	7
68	Demonstration of a 459-nm pulsed, optically pumped cesium vapor laser. Optics Communications, 2013, 300, 51-57.	2.1	7
69	_{An experimental high pressure line shape study of the rubidium D₁ and D₂ transitions with the noble gases, methane, and ethane}. Proceedings of SPIE, 2014, , .	0.8	7
70	Excitation of higher lying states in a potassium diode-pumped alkali laser. Applied Physics B: Lasers and Optics, 2019, 125, 1.	2.2	7
71	Impacts of Laboratory Vibrations and Laser Flicker Noise on Digital Holography. IEEE Journal of Quantum Electronics, 2020, 56, 1-7.	1.9	7
72	Pulsed laser source digital holography efficiency measurements. Applied Optics, 0, , .	1.8	7

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73	Desorption Kinetics of Trichloroethylene from Powdered Soils. Environmental Science & Technology, 1995, 29, 1564-1568.	10.0	6
74	Passive ranging of boost-phase missiles. , 2007, , .		6
75	Pressure broadening by argon in the hyperfine resolved P(10) and P(70) (17,1) transitions of I_2 $X1\tilde{\Sigma}(Og+) \hat{\nu} B3\tilde{\Gamma}(O_u+)$ using sub-Doppler laser saturation spectroscopy. Journal of Quantitative Spectroscopy and Radiative Transfer, 2008, 109, 1875-1885.	2.3	6
76	Empirical model for the temporally resolved temperatures of post-detonation fireballs for aluminized high explosives. , 2011, , .		6
77	Spatial and spectral performance of a chromotomosynthetic hyperspectral imaging system. Review of Scientific Instruments, 2012, 83, 033110.	1.3	6
78	Temperature dynamics of aluminized cyclotrimethylenetrinitramine fireballs for event classification. Optical Engineering, 2013, 53, 021106.	1.0	6
79	Experimental study of laser irradiated graphite oxidation using IFTS. Combustion and Flame, 2018, 192, 180-189.	5.2	6
80	Collisional dynamics of the $BrCl \hat{\nu} 3\tilde{\Gamma}(O+)$ state. I. Electronic quenching. Journal of Chemical Physics, 1990, 93, 1720-1731.	3.0	5
81	Passive ranging of emissive targets using atmospheric oxygen absorption lines. , 2005, 5811, 112.		5
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	Reduction of optically observed artillery blast wave trajectories using low dimensionality models. Proceedings of SPIE, 2011, , .	0.8	5
84	Optical delay with spectral hole burning in Doppler-broadened cesium vapor. Optics Communications, 2012, 285, 3264-3268.	2.1	5
85	Mass removal by oxidation and sublimation of porous graphite during fiber laser irradiation. Optical Engineering, 2016, 56, 011013.	1.0	5
86	Spin-orbit relaxation of cesium $7\hat{\nu} 7\tilde{\Gamma}(O+)$ state. I. Quantum-resolved vibrational energy transfer for $\nu_2=0 \hat{\nu} 4$ mixtures of helium and argon. Physical Review A, 2016, 93, .	2.5	5
87	Combustion kinetics of laser irradiated porous graphite from imaging Fourier transform spectroscopy. Combustion and Flame, 2016, 163, 90-99.	5.2	5
88	Intensity scaling for diode pumped alkali lasers. SPIE Newsroom, 0, , .	0.1	5
89	Collisional dynamics of the $BrF \hat{\nu} 3\tilde{\Gamma}(O+)$ state. II. Vibrational energy transfer. Journal of Chemical Physics, 1992, 97, 3258-3264.	3.0	4
90	Collisional dynamics of $Bi_2 A(O_u+)$. I. Quantum-resolved vibrational energy transfer for $\nu_2=0 \hat{\nu} 4$. Journal of Chemical Physics, 1999, 111, 5757-5763.	3.0	4

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91	Imaging Fourier transform spectrometry of jet engine exhaust with the telops FIRST-MWE. , 2009, , .		4
92	Simulating systematic scene-change artifacts in Fourier-transform spectroscopy. , 2010, , .		4
93	High speed spectral measurements of IED detonation fireballs. , 2010, , .		4
94	Extended saturation analysis and analytical model of diode-pumped alkali lasers. , 2010, , .		4
95	Frequency tuning of the optical delay in cesium $D^{2.5}$ including hyperfine structure. Physical Review A. 2010. 81. .		4
96	Instrumental error in chromotomosynthetic hyperspectral imaging. Applied Optics, 2012, 51, 5186.	1.8	4
97	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
98	The role of adiabaticity in alkali atom-fine structure mixing. Proceedings of SPIE, 2014, , .	0.8	4
99	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
100	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
101	5^P and 5^D states of the BrCl $B^3(0^+)$ state. II. Vibrational and rotational energy transfer. Journal of Chemical Physics, 1993, 98, 373-382.	2.3	4
102	Laser ablation of metals and semiconductors with 100 ps to 100 ns pulses. Optical Engineering, 2019, 58, 11.0		4
103	Mathematical model of beam intensity dispersion at the detector plane in a molecular beam apparatus. Review of Scientific Instruments, 1983, 54, 275-276.	1.3	3
104	Collisional dynamics of the BrCl $B^3(0^+)$ state. II. Vibrational and rotational energy transfer. Journal of Chemical Physics, 1993, 98, 373-382.	3.0	3
105	Spectroscopic Study of the Br $2B^3(0U^+)$ X^1G +SYSTEM Using Fourier Transform Absorption and Laser-Induced Fluorescence Techniques. Journal of Molecular Spectroscopy, 1997, 184, 273-276.	1.2	3
106	Long-term desorption of trichloroethylene from flint clay using multiplexed optical detection. Environmental Pollution, 1999, 104, 397-400.	7.5	3
107	Collisional dynamics of Bi[2^u $A(0^+)$]. II. State-to-state rotational energy transfer. Journal of Chemical Physics, 2002, 116, 4896.	3.0	3
108	HYPERSPETRAL 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

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109	Worldwide Mission Planning Tool for Tactical Laser Systems. Journal of Aerospace Computing, Information, and Communication, 2009, 6, 491-505.	0.8	3
110	Chromotomographic imager field demonstration results. Proceedings of SPIE, 2010, , .	0.8	3
111	Investigation of radial temperature gradients in diode pumped alkali lasers using tunable diode laser absorption spectroscopy. , 2012, , .		3
112	Investigation of atmospheric O_2 X^3 \sum_g^- , to , b^1 \sum_g^+ using open-path tunable diode laser absorption spectroscopy. Applied Physics B: Lasers and Optics, 2013, 111, 173-182.	2.2	3
113	Efficient cascade lasing on over 17 wavelengths from two-photon excitation of the cesium Si^6 states. Optics Communications, 2020, 476, 126328.	2.1	3
114	Hyperspectral and gated ICCD imagery for laser irradiated carbon materials. , 2013, , .		3
115	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
116	Shock front detachment during pulsed laser ablation of graphite. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	3
117	Simplified kinetic model for chemical oxygen-iodine lasers. , 1994, , .		2
118	Phenomenology of exploding ordnance using spectrally and temporally resolved infrared emissions. , 2003, , .		2
119	Detonation discrimination techniques using a Fourier transform infrared spectrometer system and a near-infrared focal plane array. , 2003, , .		2
120	Detonation discrimination techniques using a near-infrared focal plane array camera. , 2004, , .		2
121	An information-theoretic approach to band selection. , 2005, 5811, 15.		2
122	Detonation discrimination and feature saliency using a near-infrared focal plane array and a visible CCD camera. , 2005, , .		2
123	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 μm to 10.6 μm . , 2007, , .		2
124	Characterization of spatial and spectral resolution of a rotating prism chromotomographic hyperspectral imager. , 2009, , .		2
125	Hazard Detection Analysis for a Forward-Looking Interferometer. , 2009, , .		2
126	First imaging Fourier-transform spectral measurements of detonation in an internal combustion engine. Proceedings of SPIE, 2010, , .	0.8	2

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127	Imaging Fourier Transform Spectrometry of Combustion Events. IEEE Sensors Journal, 2010, 10, 779-785.	4.7	2
128	Alkali Lasers Operating in the Infrared and Blue Pumped by Two Red Photon Absorption. , 2010, , .		2
129	Pulsed ablation of carbon/graphite surfaces and development of plume-kinetics model. Proceedings of SPIE, 2011, , .	0.8	2
130	Influence of Broadband Excitation on the Performance of Diode Pumped Alkali Lasers. , 2011, , .		2
131	Remote discrimination of large-caliber gun firing signatures. Journal of Applied Remote Sensing, 2012, 6, 063607.	1.3	2
132	Atmospheric transmission for cesium DPAL using TDLAS. Proceedings of SPIE, 2012, , .	0.8	2
133	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
134	Mid-infrared imaging Fourier transform spectrometry for high power fiber laser irradiated fiberglass composites. , 2012, , .		2
135	Excitation of higher lying energy states in a rubidium DPAL. , 2018, , .		2
136	Resonant enhancement of two-photon absorption in rubidium with crossed polarizations. Optics Communications, 2022, 510, 127943.	2.1	2
137	Collisional dynamics of the BrF $\tilde{3}(0^+)$ state. I. Electronic quenching. Journal of Chemical Physics, 1992, 96, 6666-6671.	3.0	1
138	<title>Infrared NO($v=2, 1$) laser pumped by energy transfer from Br($2P_{1/2}$)</title>. , 1995, 2502, 514.		1
139	Dynamics of a Br($4, 2, P_{1/2} \leftrightarrow 4, 2, P_{3/2}$) pulsed laser and a Br($2, P_{1/2}$)-NO($v=2, \hat{v}=1$) transfer laser driven by photolysis of iodine monobromide. Applied Physics B: Lasers and Optics, 1997, 65, 5-12.	2.2	1
140	Singlet oxygen kinetics in a double microwave discharge. , 2004, 5448, 1039.		1
141	Predissociation of Bi 2 A(0_u^+), $v \hat{=} 2, 1 \hat{=} 39$. Journal of Chemical Physics, 2007, 126, 084310.	3.0	1
142	Imaging Fourier transform spectrometry of chemical plumes. Proceedings of SPIE, 2009, , .	0.8	1
143	Slow light in cesium vapor: pulse delay measurements and predicted delay. , 2010, , .		1
144	A Three Level Analytic Model for Alkali Vapor Lasers. , 2010, , .		1

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145	Laser-induced damage of Kapton thin films demonstrating temperature and wavelength dependent absorptance: a case study in remote-sensing material analysis. , 2011, , .		1
146	Hyperspectral image reconstruction of an array of extended targets using chromotomosynthesis. Optical Engineering, 2012, 51, 103205.	1.0	1
147	Alternative wavelengths for optically pumped alkali lasers. Proceedings of SPIE, 2012, , .	0.8	1
148	Characterization and discrimination of large caliber gun blast and flash signatures. , 2012, , .		1
149	Diode-pumped alkali laser-bleached wave dynamics. Proceedings of SPIE, 2012, , .	0.8	1
150	Effects of atmospheric transmission of high power diode pumped alkali lasers. , 2013, , .		1
151	Wavelength diversity in optically pumped alkali vapor lasers. Proceedings of SPIE, 2017, , .	0.8	1
152	Unstable resonators for high power diode pumped alkali lasers. Proceedings of SPIE, 2017, , .	0.8	1
153	Time-resolved fine structure mixing of cesium 8^2D induced by helium and argon. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 225204.	1.5	1
154	Shock front behavior during pulsed laser ablation of graphite. Optical Engineering, 2021, 60, .	1.0	1
155	Effects of sinusoidal phase modulation on the signal-to-noise ratio in a digital holography system. , 2019, , .		1
156	Digital Holography for Laser Weapons and Remote Sensing. , 2020, , .		1
157	Collisional dynamics of the B3 Pi(0+) state of bromine monochloride. , 1988, , .		0
158	Radial diffusion between coaxial cylinders and surface deactivation of O 2 (b1E g+). , 1993, , .		0
159	<title>Quantum-resolved vibrational energy transfer in Br2 B3II(Ou+)</title>. , 1994, , .		0
160	Infrared fluorescence study of electronic-to-vibrational energy transfer in the -NO system. Chemical Physics, 1995, 195, 395-401.	1.9	0
161	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
162	Spectral and temporal characterization of infrared emissions from conventional munitions detonations. , 2001, , .		0

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163	Energy transfer dynamics in the A(0 u+) state of Bi 2. , 2002, 4631, 244.		0
164	Spatially resolved temperature diagnostic for the chemical oxygen-iodine laser based on a variant of saturation spectroscopy. , 2002, 4631, 145.		0
165	Spatially-resolved Temperatures in Laser Mixing Nozzles Using Laser Saturation Spectroscopy. , 2003, , .		0
166	Optical diagnostics for the pulsed laser deposition of YBa 2 Cu 3 O 7-x superconducting wires. , 2004, , .		0
167	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
168	PLIF of a Low Pressure Supersonic Nozzle Flow: Temperature and PResure Distribution for Different Flow Conditions. , 2007, , .		0
169	Electronic quenching of Bi2 vâ€²=18â€²23 by rare gases and nitrogen. Chemical Physics, 2008, 343, 31-34.	1.9	0
170	Interferometric radiometer for in-flight detection of aviation hazards. Proceedings of SPIE, 2008, , .	0.8	0
171	Crossed-beam intermodulated fluorescence spectroscopy as a spatially resolved temperature diagnostic for supersonic nozzles. Applied Optics, 2009, 48, 4917.	2.1	0
172	Effect of Residence Time on Singlet Oxygen Production in Microwave and RF Discharges. , 2010, , .		0
173	Frequency Dependant Optical Delay With Gain In A Cesium Diode Pumped Alkali Laser System. , 2010, , .		0
174	Recycle Rate in a Pulsed, Optically Pumped Rubidium Laser. , 2010, , .		0
175	Instrumental systematic errors in a chromotomographic hyperspectral imaging system. , 2010, , .		0
176	Electronic State Distributions of YBa2Cu3O7-x Laser-Ablated Plumes. Applied Spectroscopy, 2010, 64, 742-749.	2.2	0
177	Temporal Dynamics of an Optically Pumped Pulsed Alkali Laser at High Pump Intensity. , 2010, , .		0
178	Rates for Velocity-Changing Collisions in Optically Pumped Rubidium Laser. , 2010, , .		0
179	Determining the Two-Photon Absorption Cross-Section for the 5²<i>S</i>_{1/2}-> 5²<i>D</i>_{5/2} Transition in Naturally Occurring Rubidium. , 2011, , .		0
180	Tuneable Hyper-Raman Laser in Potassium Vapor. , 2011, , .		0

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181	Tunable optical delay hole burning and ground state depletion effects in cesium vapor. Proceedings of SPIE, 2011, , .	0.8	0
182	Classification of visible point sources using hyperspectral chromotomosynthetic imagery. Journal of Applied Remote Sensing, 2012, 6, 063584.	1.3	0
183	Chromotomosynthesis for high speed hyperspectral imagery. , 2012, , .		0
184	Field deployable TDLAS for long path atmospheric transmission. Proceedings of SPIE, 2012, , .	0.8	0
185	Diode pumped alkali laser kinetics: comparison of theory and experiment. , 2012, , .		0
186	Two photon absorption and stimulated Raman scattering in alkali vapor lasers. Proceedings of SPIE, 2013, , .	0.8	0
187	Effects of optical aberration on chromotomographic reconstruction. , 2014, , .		0
188	Oxidation and sublimation of porous graphite during fiber laser irradiation. Proceedings of SPIE, 2017, , .	0.8	0
189	Saturation spectroscopy of an optically opaque argon plasma. Applied Physics B: Lasers and Optics, 2018, 124, 1.	2.2	0
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