

Goran Pichler

List of Publications by Year in descending order

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116
papers

1,776
citations

279798

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330143

37
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118
all docs

118
docs citations

118
times ranked

686
citing authors

#	ARTICLE	IF	CITATIONS
1	Structured photoionization bands of alkali diatomic molecules. Progress in Quantum Electronics, 2022, 81, 100365.	7.0	0
2	Study of the Interaction of Potassium Atoms with the Sapphire Surface with the Use of an Ultrathin Spectroscopic Cell. JETP Letters, 2022, 115, 312-317.	1.4	1
3	Photoionization of KCs Molecule: Origin of the Structured Continuum?. Atoms, 2020, 8, 24.	1.6	4
4	High-Temperature Optical Spectra of Diatomic Molecules: Influence of the Avoided Level Crossing. Atoms, 2020, 8, 28.	1.6	5
5	High resolution laser spectroscopy of spatially restricted hot alkali atomic and dimer vapor. Optical and Quantum Electronics, 2020, 52, 1.	3.3	1
6	KCs Molecular Bands in the Visible Region. Optics and Spectroscopy (English Translation of Optika i Tj ETQqO 0 0 rgBT /Overlock 10 Tf 5	0.6	2
7	High resolution spectroscopy of dimer molecules formed in cesium vapor layer of micrometric thickness. AIP Conference Proceedings, 2019, , .	0.4	0
8	Formation of cesium dimers and observation of high-resolution dimer spectra in spatially restricted Cs vapor. , 2019, , .		1
9	Photoionization bands of rubidium molecule. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 208, 39-44.	2.3	4
10	High Temperature Optical Spectra of Diatomic Molecules at Local Thermodynamic Equilibrium. Atoms, 2018, 6, 67.	1.6	6
11	Time-Resolved Laser-Induced Fluorescence Spectroscopy as a Guidance Tool for Laser Lithotripsy of Gallbladder Stones. Photomedicine and Laser Surgery, 2017, 35, 498-504.	2.0	1
12	Superheating effects in line broadening of dense alkali vapors. Journal of Physics: Conference Series, 2017, 810, 012013.	0.4	5
13	Satellite bands of the RbCs molecule in the range of highly excited states. Journal of Chemical Physics, 2016, 144, 204310.	3.0	8
14	Pulse reshaping in nearly resonant interaction of femtosecond pulses with dense rubidium vapor. Optics Communications, 2016, 371, 231-237.	2.1	1
15	Cs ² diffuse bands emission from superheated cesium vapor. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 145101.	1.5	4
16	Structured photoionization continuum of superheated cesium vapor. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 165002.	1.5	6
17	Time evolution of the spectrum of the cesium high pressure discharge light source. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 151, 169-173.	2.3	9
18	Frequency comb polarization spectroscopy of multilevel rubidium atoms. European Physical Journal D, 2014, 68, 1.	1.3	2

#	ARTICLE	IF	CITATIONS
19	Study of the satellite bands of RbCs molecule in the near UV. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 144, 86-91.	2.3	2
20	Linewidth oscillations in the 5d3/2nd autoionizing series of barium. European Physical Journal Plus, 2013, 128, 1.	2.6	2
21	Collision induced modification of spectral lines in the first autoionization region of barium. European Physical Journal D, 2013, 67, 1.	1.3	4
22	Multiphoton laser ionization for energy conversion in barium vapor. Optics Communications, 2013, 290, 95-99.	2.1	10
23	Femtosecond laser fluorescence and propagation in very dense potassium vapor. Optics Express, 2013, 21, 30306.	3.4	2
24	Comparison of visible and infrared spectrum of light sources. Optics Communications, 2011, 284, 2881-2885.	2.1	7
25	Characterization of an optical frequency comb using modified direct frequency comb spectroscopy. Applied Physics B: Lasers and Optics, 2009, 97, 553-560.	2.2	3
26	Coherent population dynamics in rubidium atoms excited by resonant pulses. Physical Review A, 2009, 80, .	2.5	9
27	Cone emission induced by femtosecond excitation in rubidium vapor. Physical Review A, 2008, 77, .	2.5	10
28	Predictions of absorption bands for RbCs on helium clusters. Chemical Physics Letters, 2007, 435, 236-241.	2.6	4
29	Complex resonance energy transfer in the LiHâ€“Li system. Chemical Physics Letters, 2007, 438, 178-183.	2.6	0
30	EIT at $\lambda = 14.4 \mu\text{m}$. <small>xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/xml/common/struct-cite/dtd"</small>	2.1	23
31	Femtosecond laser pulse train effect on Doppler profile of cesium resonance lines. European Physical Journal D, 2007, 41, 447-454.	1.3	11
32	RbCs bands observation and interpretation. Applied Physics B: Lasers and Optics, 2007, 88, 111-115.	2.2	8
33	Blue Satellite Bands and Photoassociation Spectra of Ultracold Cesium. AIP Conference Proceedings, 2006, , .	0.4	1
34	Cesium dimer spectroscopy on helium droplets. Journal of Chemical Physics, 2006, 124, 024313.	3.0	31
35	Observation of blue satellite bands and photoassociation at ultracold temperatures. Physical Review A, 2006, 73, .	2.5	3
36	Predictions for the observation of KRb spectra under cold conditions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, S1191-S1201.	1.5	26

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37	Mapping of the Optical Frequency Comb to the Atom Velocity Comb. AIP Conference Proceedings, 2006, , .	0.4	0
38	Absorption spectrum of rubidium and cesium dimers by compact computer operated spectrometer. Optics Communications, 2006, 268, 58-63.	2.1	42
39	Mapping of the optical frequency comb to the atom-velocity comb. Physical Review A, 2006, 73, .	2.5	32
40	Low-density plasma channels generated by femtosecond pulses. Applied Physics B: Lasers and Optics, 2006, 82, 377-382.	2.2	7
41	Comparison of Composite Curing Parameters: Effects of Light Source and Curing Mode on Conversion, Temperature Rise and Polymerization Shrinkage. Operative Dentistry, 2006, 31, 219-226.	1.2	59
42	Rubidium dimer destruction by a diode laser. Physical Review A, 2005, 71, .	2.5	9
43	Velocity Selective Optical Pumping of Rb Hyperfine Lines Induced by a Train of Femtosecond Pulses. Physical Review Letters, 2005, 95, 233001.	7.8	40
44	Femtosecond laser-induced cone emission in dense cesium vapor. Physical Review A, 2005, 71, .	2.5	16
45	Rubidium pure long-range ion-pair molecules. Europhysics Letters, 2004, 66, 485-491.	2.0	13
46	Rb $\mathit{m}\mathit{a}\mathit{t}\mathit{h}\mathit{s}\mathit{f}\{_{{2}}\}$ diffuse band emission excited by diode lasers. European Physical Journal D, 2004, 30, 57-64.	1.3	11
47	Formation of ultracoldCs2molecules through the double-minimumCs231Îu+state. Physical Review A, 2004, 69, .	2.5	10
48	Simultaneous determination of the temperature and density of rubidium vapor. Applied Physics B: Lasers and Optics, 2003, 76, 859-867.	2.2	10
49	UV, Visible and IR Spectrum of the Cs High Pressure Lamp. Physica Scripta, 2003, T105, 98.	2.5	13
50	Photoionization and detection of ultracold Cs 2 molecules through diffuse bands. European Physical Journal D, 2002, 18, 365-370.	1.3	13
51	Blue satellite bands of KRb molecule: Intermediate long-range states. European Physical Journal D, 2002, 19, 49-56.	1.3	12
52	Title is missing!. European Physical Journal D, 2002, 18, 365-370.	1.3	10
53	Blue satellite bands of KRb molecule: Intermediate long-range states. European Physical Journal D, 2002, 19, 49-56.	1.3	7
54	Absorption measurements in dense cesium vapor using a UVâ€ violet light-emitting diode. Applied Physics B: Lasers and Optics, 2001, 72, 337-341.	2.2	14

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55	Pure long-range ion-pair Cs ₂ molecules. Chemical Physics Letters, 2001, 345, 423-428.	2.6	15
56	Resonance 2s-2p excitation of lithium in the Li + Cd system. Journal of Physics B: Atomic, Molecular and Optical Physics, 2001, 34, 2715-2724.	1.5	2
57	Cesium satellite band at 875.2 nm stemming from the Cs ₂ g+(6 p ₂ P _{1/2} +6 s ₂ S _{1/2}) state. European Physical Journal D, 2001, 15, 209-214.	1.3	13
58		2.1	6
59	Quasiresonant Excitation of Lithium 2p ^o 4d and 2p ^o 4s Transitions in Li-Cd Vapor Mixture. Physica Scripta, 2000, 62, 137-140.	2.5	2
60	Photoluminescence of donor-acceptor carbazole-based molecules in amorphous and powder forms. Journal of Applied Physics, 2000, 87, 7290-7293.	2.5	24
61	Laser-ignited glow discharge in lithium vapor. Physical Review A, 2000, 62, .	2.5	7
62	LiH emission spectrum from the glow discharge in a heat-pipe oven. Journal Physics D: Applied Physics, 2000, 33, 396-404.	2.8	4
63	The search for the bound-free emission from the. , 1999, , .		0
64	Constriction in lithium glow discharges in a heat-pipe oven. Optics Communications, 1999, 161, 217-222.	2.1	5
65	Photoassociation of cesium atoms into the double minimum 3 state. Chemical Physics Letters, 1999, 313, 110-114.	2.6	16
66	LiAr, LiKr and LiXe excimers: Photochemical formation of the $\sigma^+_{3^2} - \sigma^+_{1^2}$ bands. European Physical Journal D, 1999, 6, 333-341.	1.3	1
67	Cusp satellite bands in the spectrum of Cs_2 molecule. European Physical Journal D, 1998, 2, 45-52.	1.3	19
68	Comparison of the Na(4p)+H ₂ and Na(3p)+H ₂ reactive/quenching systems studied with CARS, resonance-enhanced CARS, and DFWM. Journal of Chemical Physics, 1997, 106, 9057-9066.	3.0	20
69	Quasibound states in long-range alkali dimers: Grid method calculations. Journal of Chemical Physics, 1997, 107, 10633-10642.	3.0	27
70	Structured continua of the intermediate long-range Cs ₂ molecules. AIP Conference Proceedings, 1997, , .	0.4	0
71	Pulsed blue laser curing of hybrid composite resins. Biomaterials, 1997, 18, 1349-1354.	11.4	48
72	Cross section for the photochemical formation of the NaZn (22 $\hat{1}$) excimer. Zeitschrift f \ddot{u} r Physik D-Atoms Molecules and Clusters, 1996, 36, 147-151.	1.0	2

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73	Photoassociation and bound-bound excitation into the $2^2\hat{I}$ state of LiZn, LiCd, and NaZn molecules. <i>Physical Review A</i> , 1996, 53, 1323-1329.	2.5	8
74	The LiHg($2^2\hat{I}_3/2\hat{a}''$) System. <i>The Journal of Physical Chemistry</i> , 1996, 100, 10062-10069.	2.9	8
75	Photochemical production of KCd excimer bands. <i>Chemical Physics Letters</i> , 1995, 233, 477-482.	2.6	3
76	Photochemical population of KHg states. <i>Chemical Physics</i> , 1995, 196, 267-273.	1.9	0
77	Polymerization of composites using pulsed laser. <i>European Journal of Oral Sciences</i> , 1995, 103, 394-398.	1.5	29
78	Spectral simulation and interpretation of LiZn and LiCd blue-green emission. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1994, 30, 39-44.	1.0	11
79	Degenerate four-wave-mixing spectroscopy in NaH. <i>Applied Physics B, Photophysics and Laser Chemistry</i> , 1993, 57, 261-265.	1.5	12
80	Observations and spectral simulations of the $7Li_2$ $2^1\hat{I}_g + \hat{a}^1X_1 \hat{I}_g$ transition. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1993, 28, 135-140.	1.0	1
81	The NaZn excimer: Blue-green band. <i>Journal of Chemical Physics</i> , 1993, 98, 4672-4679.	3.0	13
82	Study of the LiZn excimer: Blue-green bands. <i>Journal of Chemical Physics</i> , 1992, 96, 7364-7371.	3.0	23
83	Quantum simulation of bound-free spectra. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1992, 23, 165-170.	1.0	2
84	Blue-green bands of LiCd. <i>Chemical Physics Letters</i> , 1992, 200, 97-102.	2.6	16
85	Visible-laser-induced chemiluminescence of NaHg red excimer bands. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1991, 18, 373-377.	1.0	16
86	Ultra-violet-laser-induced chemiluminescence of NaCd and NaHg excimers. <i>Journal of Chemical Physics</i> , 1991, 94, 3366-3370.	3.0	31
87	Ultraviolet and blue NaHg and NaCd excimer bands. <i>Applied Physics B, Photophysics and Laser Chemistry</i> , 1990, 51, 427-430.	1.5	2
88	The 458 nm diffuse band of the lithium dimer. <i>Journal of Chemical Physics</i> , 1989, 90, 2841-2847.	3.0	19
89	Collisional population of the $2^3\hat{a}^*g$ state in K_2 . <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1989, 11, 213-217.	1.0	5
90	Photochemical production of the electronically excited NaCd excimer. <i>Chemical Physics Letters</i> , 1989, 154, 126-130.	2.6	17

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91	Laser-induced chemiluminescence of the LiMg excimer. Chemical Physics Letters, 1989, 156, 467-471.	2.6	19
92	Satellite and diffuse bands of the KHg excimer. Chemical Physics Letters, 1988, 147, 497-502.	2.6	9
93	NaCd excimer emission bands. Optics Communications, 1988, 67, 45-50.	2.1	13
94	The NaHg spectrum revisited: An analysis of the NaHg A2 $\hat{1}$ state and double-well B2 $\hat{1}$ state. Journal of Molecular Spectroscopy, 1988, 128, 1-23.	1.2	23
95	A study of structured continua in K2 excited by the 457.9 nm Ar-ion laser line. Journal of Physics B: Atomic and Molecular Physics, 1987, 20, 2231-2238.	1.6	5
96	Fluorescence studies of the K2 diffuse band at 572.5 nm. Chemical Physics Letters, 1986, 128, 145-149.	2.6	8
97	Electronic assignments of the violet bands of sodium. Chemical Physics Letters, 1986, 129, 425-428.	2.6	52
98	The absorption and emission observations of the sodium near-infrared spectrum. Optics Communications, 1986, 57, 394-399.	2.1	7
99	Superheating in the heat-pipe oven. Applied Physics B, Photophysics and Laser Chemistry, 1986, 41, 135-138.	1.5	8
100	Direct excitation of potassium diffuse bands by single mode laser radiation. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1986, 2, 233-238.	1.0	2
101	A study of Na2 diffuse bands in violet by the excitation through self-broadened D-lines. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1986, 1, 223-229.	1.0	4
102	On the shape of the yellow diffuse band of potassium. Journal of Molecular Spectroscopy, 1985, 110, 256-261.	1.2	17
103	Discharge studies of the lithium dimer diffuse bands. Optics Communications, 1985, 56, 172-178.	2.1	11
104	Observation and interpretation of the Li2 diffuse band in the region of 420 nm. Chemical Physics Letters, 1984, 103, 352-356.	2.6	11
105	Diffuse bands in the visible absorption spectra of dense alkali vapours. Journal of Physics B: Atomic and Molecular Physics, 1983, 16, 4619-4631.	1.6	59
106	Triplet satellite band in the very far blue wing of the self-broadened lithium resonance line. Chemical Physics Letters, 1982, 93, 401-405.	2.6	15
107	Analysis of the diffuse bands near 6100 Å... in the fluorescence spectrum of Cs2. Chemical Physics, 1980, 50, 313-330.	1.9	50
108	A triplet satellite band in the very far blue wing of the self-broadened sodium D lines. Optics Communications, 1980, 34, 77-80.	2.1	19

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109	The shape of the inner-wing satellites of self-broadened first resonance lines of caesium and rubidium. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1980, 13, 3605-3611.	1.6	8
110	Resonance interaction and self-broadening of alkali resonance lines. II. Quasi-static wing profiles. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1980, 13, 697-070.	1.6	43
111	Near-wing asymmetries of the self-broadened first Rb and Cs resonance lines. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1979, 12, 3503-3509.	1.6	37
112	Self-broadening of the Tl 377.6 nm resonance line. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1978, 11, L483-L488.	1.6	3
113	Pure Long-Range Molecules. <i>Physical Review Letters</i> , 1978, 41, 1164-1167.	7.8	138
114	Resonance interaction and self-broadening of alkali resonance lines. I. Adiabatic potential curves. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1977, 10, 2631-2638.	1.6	156
115	Measurement of the oscillator strengths of principal-series lines of cesium. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 1976, 16, 147-151.	2.3	45
116	New aspects in the self-broadening of alkali resonance lines. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1975, 8, 179-184.	1.6	53