

Jin-Tae Kim

List of Publications by Year in descending order

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papers

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32
all docs

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docs citations

32
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Silver-doped calcium phosphate nanopowders prepared by electrostatic spraying. Journal of Nanoparticle Research, 2008, 10, 1337-1341.	1.9	37
2	Spectroscopic analysis of the coupled $11\hat{1}, 23\hat{1}\hat{\Sigma}^+$ ($\hat{I}\hat{\Sigma} = 0\hat{\alpha}^{\pm}, 1$), and $b3\hat{1}$ ($\hat{I}\hat{\Sigma} = 0\hat{\alpha}^{\pm}, 1, 2$) states of the KRb molecule using both ultracold molecules and molecular beam experiments. Physical Chemistry Chemical Physics, 2011, 13, 18755.	2.8	18
3	Parallel and Coupled Perpendicular Transitions of RbCs 640 nm System: Mass-Resolved Resonance Enhanced Two-Photon Ionization in a Cold Molecular Beam. Journal of Physical Chemistry A, 2008, 112, 7214-7221.	2.5	17
4	Spectroscopic prescription for optimal stimulated Raman transfer of ultracold heteronuclear molecules to the lowest rovibronic level. Physical Review A, 2011, 84, .	2.5	17
5	Low-Temperature Synthesis of LiEuMo2O8 Red Phosphor for a White-Light-Emitting Diode. Electronic Materials Letters, 2010, 6, 27-30.	2.2	11
6	Production of RbCs Molecules in the Rovibronic Ground State via Short-Range Photoassociation to the $2\langle\sup>1</sup>\langle\sub>1</sub>$, $2\langle\sup>3</sup>\langle\sub>1</sub>$, and $3\langle\sup>3</sup>\langle\sub>1</sub>\hat{\Sigma}$ States. ChemPhysChem, 2016, 17, 3677-3682.	2.1	11
7	The determination of potential energy curve and dipole moment of the $(5)0^+$ electronic state of $85\text{Rb}133\text{Cs}$ molecule by high resolution photoassociation spectroscopy. Journal of Chemical Physics, 2015, 143, 224312.	3.0	10
8	The 480 nm system of KRb: $1\langle\sup>3</sup>\langle\sub>1</sub>$, $4\langle\sup>1</sup>\langle\sub>1</sub>\hat{\Sigma}^+$, and $5\langle\sup>1</sup>\langle\sub>1</sub>\hat{\Sigma}^+$ States. Journal of Physical Chemistry A, 2010, 114, 7742-7748.	2.5	9
9	Spectroscopic investigation of the A and $3\ 1\hat{\Sigma}^+$ states of $39\text{K}85\text{Rb}$. Journal of Chemical Physics, 2012, 137, 244301.	3.0	9
10	Spectral features of electromagnetically induced absorption in $\langle\sup>85</sup>\text{Rb}$ atoms. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 115502.	1.5	9
11	Electromagnetically induced absorption due to transfer of coherence and coherence population oscillation for the $\langle\sup>1</sup>\langle\sub>1</sub>$ state of 85Rb atoms. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 115502.	2.1	8
12	Continuous production of rovibronic ground-state RbCs molecules via short-range photoassociation to the $\langle\sup>1</sup>\langle\sub>1</sub>$ state of 85Rb atoms. Journal of Physical Chemistry A, 2016, 120, 12713-12718.	2.5	8
13	Effects of neighboring transitions on the mechanisms of electromagnetically induced absorption and transparency in an open degenerate multilevel system. Scientific Reports, 2022, 12, 145.	3.3	8
14	Stable range enhancement in a symmetric confocal two-rod resonator with 90° optical rotator. IEEE Journal of Quantum Electronics, 2003, 39, 1594-1599.	1.9	7
15	Diffraction efficiency enhancement of femtosecond laser-engraved diffraction gratings due to CO ₂ laser polishing. Journal of the Korean Physical Society, 2014, 65, 1559-1565.	0.7	6
16	Multiphoton nonlinear frequency mixing effects on the coherent electromagnetically induced absorption spectra of $\langle\sup>1</sup>\langle\sub>1</sub>$ state 85Rb atoms under a longitudinal magnetic field: Theory and experiment. Physical Review A, 2020, 102, .	2.5	6
17	Femtosecond-laser-assisted fabrication of double-layer diffraction gratings inside fused silica glass. Journal of the Korean Physical Society, 2015, 66, 55-60.	0.7	4
18	Fabrication of Lensed Optical Fibers for Biosensing Probes Using CO ₂ and Femtosecond Lasers. Applied Sciences (Switzerland), 2021, 11, 3738.	2.5	4

#	ARTICLE	IF	CITATIONS
19	Polarization rotation spectral profiles for the D2 line of ^{87}Rb atoms: theory and experiment. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019, 52, 225004.	1.5	3
20	Effects of neighboring transitions on electromagnetically induced absorption and transparency in ^{85}Rb atoms based on the linear parallel polarization of coupling and probe beams. <i>Optics Communications</i> , 2022, , 128512.	2.1	3
21	Effects of neighboring transitions on electromagnetically induced absorption and transparency in ^{85}Rb atoms from various coupling beam polarization configurations. <i>Optics Communications</i> , 2017, 402, 567-571.	2.1	2
22	Unidirectional Single-Mode 532-nm Nd:YAG Laser Using Intracavity Frequency Doubling in Nonplanar Ring Geometry. <i>Optical Review</i> , 2003, 10, 539-543.	2.0	1
23	Preparation and Optical Properties of Trivalent Erbium-Doped CaY_2O_4 Powders Under 980 nm Excitation. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 2431-2434.	0.9	1
24	Elongation of the stable range of a thermal-birefringence compensated two-rod resonator without a discontinuity. , 0, , .		0
25	Surface profile measurement by using stabilized polarization interferometer module. , 0, , .		0
26	Sol-gel Synthesis and Characterization of YAG:Ce ³⁺ Phosphors by Various Pre-firing Temperatures. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1148, 1.	0.1	0
27	Red-emitting alkaline-earth rare-earth pentaoxometallates powders prepared by metal carboxylates solution. <i>Bulletin of Materials Science</i> , 2013, 36, 499-504.	1.7	0
28	Population transfer routes to the lowest vibrational level of ultracold ^{85}Rb . <i>Journal of the Korean Physical Society</i> , 2013, 63, 933-937.	0.7	0
29	Laser fabrication of micro-lens array on fused silica. , 2015, , .		0
30	Electrostatic Spraying Fabrication of Er ³⁺ -Doped CaTiO_3 Up-Conversion Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 7957-7960.	0.9	0
31	Hyperfine structure measurement of rubidium atom and tunable diode laser stabilization by using Sagnac interferometer. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 3559-61.	0.9	0
32	Resonant Ionic, Covalent Bond, and Steric Characteristics Present in $1^1\Sigma_u^+$ States of Li_2 . <i>Molecules</i> , 2022, 27, 3514.	3.8	0