

Jin-Tae Kim

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effects of neighboring transitions on the mechanisms of electromagnetically induced absorption and transparency in an open degenerate multilevel system. <i>Scientific Reports</i> , 2022, 12, 145.	3.3	8
2	Effects of neighboring transitions on electromagnetically induced absorption and transparency in 85Rb atoms based on the linear parallel polarization of coupling and probe beams. <i>Optics Communications</i> , 2022, , 128512.	2.1	3
3	Resonant Ionic, Covalent Bond, and Steric Characteristics Present in $1^1\Sigma^+$ States of Li ₂ . <i>Molecules</i> , 2022, 27, 3514.	3.8	0
4	Fabrication of Lensed Optical Fibers for Biosensing Probes Using CO ₂ and Femtosecond Lasers. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3738.	2.5	4
5	Multiphoton nonlinear frequency mixing effects on the coherent electromagnetically induced absorption spectra of ^{85}Rb atoms under a longitudinal magnetic field: Theory and experiment. <i>Physical Review A</i> , 2020, 102, .	2.5	6
6	Polarization rotation spectral profiles for the D ₂ 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
7	Preparation and Optical Properties of Trivalent Erbium-Doped CaY ₂ O ₄ Powders Under 980 nm Excitation. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 2431-2434.	0.9	1
8	Continuous production of rovibronic-ground-state RbCs molecules via short-range photoassociation to the $b^1\Sigma^+$ state. <i>Physical Review A</i> , 2017, 95, 043407.	2.5	8
9	Electromagnetically induced absorption due to transfer of coherence and coherence population oscillation for the $b^1\Sigma^+$ state of ^{85}Rb atoms from various coupling beam polarization configurations. <i>Optics Communications</i> , 2017, 402, 567-571.	2.1	2
10	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
11	Production of RbCs Molecules in the Rovibronic Ground State via Short-Range Photoassociation to the $2^1\Sigma^+$, $2^3\Sigma^+$, and $3^1\Sigma^+$ States. <i>ChemPhysChem</i> , 2016, 17, 3677-3682.	2.1	8
12	The determination of potential energy curve and dipole moment of the (5)0 ⁺ electronic state of 85Rb133Cs molecule by high resolution photoassociation spectroscopy. <i>Journal of Chemical Physics</i> , 2015, 143, 224312.	3.0	10
13	Laser fabrication of micro-lens array on fused silica. , 2015, , .		0
14	Femtosecond-laser-assisted fabrication of double-layer diffraction gratings inside fused silica glass. <i>Journal of the Korean Physical Society</i> , 2015, 66, 55-60.	0.7	4
15	Spectral features of electromagnetically induced absorption in ^{85}Rb atoms. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 115502.	1.5	9
16	Diffraction efficiency enhancement of femtosecond laser-engraved diffraction gratings due to CO ₂ laser polishing. <i>Journal of the Korean Physical Society</i> , 2014, 65, 1559-1565.	0.7	6
17	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

#	ARTICLE	IF	CITATIONS
19	Population transfer routes to the lowest vibrational level of ultracold $^{39}\text{K}^{85}\text{Rb}$. Journal of the Korean Physical Society, 2013, 63, 933-937.	0.7	0
20	Spectroscopic investigation of the A and 3 $1^1\Sigma^+$ states of $^{39}\text{K}^{85}\text{Rb}$. Journal of Chemical Physics, 2012, 137, 244301.	3.0	9
21	Spectroscopic analysis of the coupled $11^1\Sigma^+$, $23^1\Sigma^+$ ($\hat{I}^\ominus = 0^{\hat{a}}, 1$), and $b3^1\Sigma^+$ ($\hat{I}^\ominus = 0^{\hat{a}}, 1, 2$) states of the KRb molecule using both ultracold molecules and molecular beam experiments. Physical Chemistry Chemical Physics, 2011, 13, 18755.	2.8	18
22	Spectroscopic prescription for optimal stimulated Raman transfer of ultracold heteronuclear molecules to the lowest rovibronic level. Physical Review A, 2011, 84, .	2.5	17
23	Low-Temperature Synthesis of $\text{LiEuMo}_2\text{O}_8$ Red Phosphor for a White-Light-Emitting Diode. Electronic Materials Letters, 2010, 6, 27-30.	2.2	11
24	The 480 nm system of KRb: $1^3\Sigma^+$, $4^1\Sigma^+$, and $5^1\Sigma^+$ states. Journal of Physical Chemistry A, 2010, 114, 7742-7748.	2.5	9
25	Silver-doped calcium phosphate nanopowders prepared by electrostatic spraying. Journal of Nanoparticle Research, 2008, 10, 1337-1341.	1.9	37
26	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
27	Sol-gel Synthesis and Characterization of YAG:Ce ³⁺ Phosphors by Various Pre-firing Temperatures. Materials Research Society Symposia Proceedings, 2008, 1148, 1.	0.1	0
28	Hyperfine structure measurement of rubidium atom and tunable diode laser stabilization by using Sagnac interferometer. Journal of Nanoscience and Nanotechnology, 2006, 6, 3559-61.	0.9	0
29	Unidirectional Single-Mode 532-nm Nd:YAG Laser Using Intracavity Frequency Doubling in Nonplanar Ring Geometry. Optical Review, 2003, 10, 539-543.	2.0	1
30	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
31	Elongation of the stable range of a thermal-birefringence compensated two-rod resonator without a discontinuity. , 0, , .		0
32	Surface profile measurement by using stabilized polarization interferometer module. , 0, , .		0