

Zhenwen Dai

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

465
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840776

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321
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Experimental and Theoretical Radiative Parameters of Highly Excited Levels in Re ii. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 35. | 7.7 | 1 |
| 2 | Hyperfine structure constants for neutral and singly ionized vanadium by Fourier transform spectroscopy data. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2022, 280, 108085. | 2.3 | 1 |
| 3 | Measurements and Calculations of Radiative Parameters for Odd-parity Levels in Nb ii. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 44. | 7.7 | 1 |
| 4 | Radiative lifetimes, branching fractions, and oscillator strengths for highly excited levels in singly ionized tantalum (Ta $\langle\text{sc}\rangle\text{ii}\langle/\text{sc}\rangle$). <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 4808-4818. | 4.4 | 0 |
| 5 | Radiative parameters of high-lying levels in neutral rhodium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 5085-5090. | 4.4 | 2 |
| 6 | Hyperfine structure measurements of Co I and Co II with Fourier transform spectroscopy. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021, 266, 107590. | 2.3 | 8 |
| 7 | Studies on hyperfine structure of Sc I and Sc II using Fourier-transform spectroscopy. <i>European Physical Journal D</i> , 2021, 75, 1. | 1.3 | 2 |
| 8 | Experimental and Theoretical Radiative Lifetimes, Branching Fractions, Transition Probabilities, and Oscillator Strengths of Nb i Levels. <i>Astrophysical Journal, Supplement Series</i> , 2019, 242, 23. | 7.7 | 1 |
| 9 | Experimental Radiative Lifetimes, Branching Fractions, and Oscillator Strengths of Some Levels in Er i and Er ii. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 25. | 7.7 | 7 |
| 10 | Radiative lifetime measurements of Sc I levels by time-resolved laser spectroscopy. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 229, 1-3. | 2.3 | 0 |
| 11 | Measurements of radiative lifetimes, branching fractions, transition probabilities, and oscillator strengths for Eu II and Eu III levels. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 4485-4491. | 4.4 | 6 |
| 12 | Experimental radiative lifetimes, branching fractions, and oscillator strengths of Ta I levels. <i>Physica Scripta</i> , 2019, 94, 075405. | 2.5 | 0 |
| 13 | Experimental radiative lifetimes, branching fractions, and oscillator strengths of some levels in Co $\langle\text{sc}\rangle\text{i}\langle/\text{sc}\rangle$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 1881-1886. | 4.4 | 1 |
| 14 | Radiative lifetimes, branching fractions, and oscillator strengths of some levels in Be I. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 212, 112-119. | 2.3 | 8 |
| 15 | Experimental radiative lifetimes, branching fractions, and oscillator strengths of some levels in Y I. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018, 35, 2244. | 2.1 | 3 |
| 16 | Experimental and Theoretical Radiative Lifetimes, Branching Fractions, Transition Probabilities, and Oscillator Strengths of Some Highly Excited Odd-parity Levels in Ir i. <i>Astrophysical Journal, Supplement Series</i> , 2018, 238, 3. | 7.7 | 2 |
| 17 | Experimental branching fractions, transition probabilities and oscillator strengths of some levels in Ba I. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 199, 89-92. | 2.3 | 6 |
| 18 | Hyperfine structure and lifetime measurements in the 4s2nd 2D3/2 Rydberg sequence of Ga I by time-resolved laser spectroscopy. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 174, 22-27. | 2.3 | 0 |

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|----|---|-----|-----------|
| 19 | Radiative lifetime measurements of some Tm I and Tm II levels by time-resolved laser spectroscopy. Monthly Notices of the Royal Astronomical Society, 2016, 457, 1393-1398. | 4.4 | 17 |
| 20 | Radiative lifetime measurements for some levels in Mn I and Ni I by time-resolved laser spectroscopy. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 163, 34-38. | 2.3 | 11 |
| 21 | Radiative lifetimes, branching fractions, transition probabilities and oscillator strengths of some levels for neutral yttrium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 085001. | 1.5 | 8 |
| 22 | Radiative lifetime measurements of some La ^{II} and La ^I levels by time-resolved laser spectroscopy. Monthly Notices of the Royal Astronomical Society, 2014, 442, 138-141. | 4.4 | 10 |
| 23 | A self-luminous CaEuAl ₃ O ₇ phosphor: Structural and optical characteristics. Ceramics International, 2014, 40, 10573-10576. | 4.8 | 7 |
| 24 | TR-LIF LIFETIME MEASUREMENTS AND HFR+CPOL CALCULATIONS OF RADIATIVE PARAMETERS IN VANADIUM ATOM (V I). Astrophysical Journal, Supplement Series, 2014, 211, 31. | 7.7 | 12 |
| 25 | Synthesis and investigation of luminescence properties of Eu ³⁺ -doped cubic perovskite Ba ₃ Y ₂ WO ₉ . Optical Materials, 2013, 35, 1577-1581. | 3.6 | 10 |
| 26 | Solvothermal synthesis of CeF ₃ : Tm ³⁺ , Yb ³⁺ microcrystals with visible upconversion luminescence by 980nm excitation. Journal of Alloys and Compounds, 2013, 549, 362-365. | 5.5 | 11 |
| 27 | Solvothermal synthesis of CeF ₃ : Er ³⁺ , Yb ³⁺ nanoplates with visible upconversion luminescence by 980nm excitation. Materials Research Bulletin, 2013, 48, 884-888. | 5.2 | 0 |
| 28 | Experimental radiative lifetimes, branching fractions, and oscillator strengths of odd-parity levels in Mo I. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 489. | 2.1 | 5 |
| 29 | Experimental branching fractions, transition probabilities, and oscillator strengths in Sn I. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 1486. | 2.1 | 12 |
| 30 | Solvothermal synthesis and luminescence properties of BaCeF ₅ , and BaCeF ₅ :Tb ³⁺ nanocrystals. RSC Advances, 2012, 2, 4697. | 3.6 | 13 |
| 31 | Investigation of photoluminescence properties of Eu ³⁺ -doped GdAlO ₃ and LaAlO ₃ by site-selective laser spectroscopy. Materials Letters, 2012, 74, 140-142. | 2.6 | 10 |
| 32 | Radiative lifetime measurements on odd-parity levels of La I by time-resolved laser spectroscopy. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 543. | 2.1 | 10 |
| 33 | Lifetime measurements of odd-parity high-excitation levels of Sm ^{II} by time-resolved laser spectroscopy. Monthly Notices of the Royal Astronomical Society, 2011, , no-no. | 4.4 | 0 |
| 34 | Radiative lifetimes of highly excited even-parity levels in Gd ^I and Gd ^{II} . Monthly Notices of the Royal Astronomical Society, 2011, 418, 998-1003. | 4.4 | 9 |
| 35 | Sensitivities of competitions between different upconversion mechanisms to exciting wavelength in Er ³⁺ :YAG with different concentrations. Optics Communications, 2011, 284, 3593-3596. | 2.1 | 2 |
| 36 | Radiative-lifetime measurements and calculations of odd-parity highly excited levels in Ba I. Physical Review A, 2010, 82, . | 2.5 | 9 |

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|----|---|-----|-----------|
| 37 | Sensitivity of upconversion mechanisms to excitation laser wavelength in Er ³⁺ -doped YAG. Journal of Luminescence, 2010, 130, 872-876. | 3.1 | 8 |
| 38 | Radiative lifetime measurements of odd-parity moderately excited levels belonging to J=0, 1, 2, 3 series in Sm I. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 2255. | 2.1 | 6 |
| 39 | Quantitative analysis of different upconversion-mechanism contributions for population of certain level in Er ³⁺ -doped YAG. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 2365. | 2.1 | 2 |
| 40 | Different processes responsible for blue pumped, ultraviolet and violet luminescence in high-concentrated Er ³⁺ :YAG and low-concentrated Er ³⁺ :YAP crystals. Physica B: Condensed Matter, 2008, 403, 174-177. | 2.7 | 54 |
| 41 | Factor measurements of $\frac{p}{p_0} \frac{I}{I_0}$ of Sn^{2+} by time-resolved laser spectroscopy. | 2.5 | 17 |
| 42 | Dynamics of excited state relaxation and frequency upconversion in Tm ³⁺ and Tm ³⁺ /Tb ³⁺ doped ZBLAN glass. Journal of Non-Crystalline Solids, 2008, 354, 1796-1800. | 3.1 | 6 |
| 43 | Upconversion luminescence and kinetics in Er ³⁺ :YAlO ₃ under 652.2nm excitation. Journal of Luminescence, 2007, 124, 207-212. | 3.1 | 81 |
| 44 | Energy transfer and frequency upconversion in Pr ³⁺ -doped ZBLAN glass. Journal of Non-Crystalline Solids, 2006, 352, 5469-5474. | 3.1 | 22 |
| 45 | Kinetics of Fluorescence Decay in Er ³⁺ : YAG under 408.6 nm Excitation. Journal of Rare Earths, 2006, 24, 519-523. | 4.8 | 6 |
| 46 | Time-resolved laser-induced fluorescence measurements of Rydberg states in Lu I and comparison with theory. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 479-487. | 1.5 | 17 |
| 47 | Radiative lifetime measurements in Er II by time-resolved laser spectroscopy. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 1771-1781. | 1.5 | 24 |
| 48 | Decay properties of Er ³⁺ ions in Er ³⁺ :YAG and Er ³⁺ :YAlO ₃ . Physica B: Condensed Matter, 2002, 324, 43-48. | 2.7 | 17 |