# Ali Nadeem

List of Publications by Year
in descending order

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|---|---|---|---|
| 39 papers | 345 citations | 759233 12 h-index | 940533 16 g-index |
| 39 all docs | 39 docs citations | 39 times ranked | 224 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Quantitative analysis of Al-Si alloy using calibration free laser induced breakdown spectroscopy (CF-LIBS). Physics of Plasmas, 2017, 24, . | 1.9 | 22 |
| 2 | Photoionization from the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>5</mml:mn><mml:mi>p</mml:mi><mml:mi>â€,</mml:mi><mml:msup><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msup><mml:msub><mml:mi>P</mml:mi><mml:mrow><mml:mn>3</mml:mn></mml:m of rubidium. Physical Review A, 2011, 83, . | 2.5 | 20 |
| 3 | Spectroscopic studies of magnesium plasma produced by fundamental and second harmonics of Nd:YAG laser. Physics of Plasmas, 2015, 22, . | 1.9 | 19 |
| 4 | Electron temperature and density measurements of laser induced germanium plasma. Physics of Plasmas, 2016, 23, . | 1.9 | 18 |
| 5 | Exploiting calibration free laser-induced breakdown spectroscopy (CF-LIBS) for the analysis of food colors. Optik, 2021, 236, 166531. | 2.9 | 18 |
| 6 | Quantitative analysis of Ge/Si alloys using double-pulse calibration-free laser-induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 146, 101-105. | 2.9 | 17 |
| 7 | Multi-step laser excitation of the highly excited states of zinc. Optics Communications, 2006, 259, 834-839. | 2.1 | 16 |
| 8 | Near-threshold photoionization spectra of strontium. Chemical Physics Letters, 1998, 296, 403-407. | 2.6 | 13 |
| 9 | Two-colour three-photon excitation of the 6snf1,3F3and 6snp1P1,3P1,2Rydberg levels of Yb I. Journal of Physics B: Atomic, Molecular and Optical Physics, 1999, 32, 953-965. | 1.5 | 13 |
| 10 | Two-step laser spectroscopy of the even-parity Rydberg levels of neutral tin. Journal of Physics B: Atomic, Molecular and Optical Physics, 1999, 32, 5669-5679. | 1.5 | 13 |
| 11 | Observation of 3p5nd J = 2, 3 odd parity spectra of argon and MQDT analysis in the discrete and autoionizing regions. Optics Communications, 1999, 172, 37-46. | 2.1 | 12 |
| 12 | Two-step laser excitation of 5p3/2np,nfJ= 1 and 2 autoionizing Rydberg levels of tin. Journal of Physics B: Atomic, Molecular and Optical Physics, 2000, 33, 3729-3741. | 1.5 | 12 |
| 13 | Two-step laser excitation of the even parity 5p1/2np andnfJ= 1,2 Rydberg levels of neutral tin. Journal of Physics B: Atomic, Molecular and Optical Physics, 2001, 34, 2407-2417. | 1.5 | 12 |
| 14 | Two-step laser excitation of 4snd3D1,2,3and 4sns3S1states from the 4s4p3P levels in zinc. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 871-881. | 1.5 | 12 |
| 15 | Three-colour four-photon resonant excitation of the even-parity autoionizing resonances in Yb I. Journal of Physics B: Atomic, Molecular and Optical Physics, 1999, 32, 4361-4371. | 1.5 | 11 |
| 16 | Laser optogalvanic spectroscopy of 5p5nfJ= 1-5 even-parity Rydberg levels of xenon. Journal of Physics B: Atomic, Molecular and Optical Physics, 2000, 33, 4647-4655. | 1.5 | 11 |
| 17 | Molecular dissociative sequential excitation and ionization of strontium vapor. European Physical Journal D, 1999, 6, 201-209. | 1.3 | 9 |
| 18 | Resistively heated high temperature atomic beam source. Review of Scientific Instruments, 2005, 76, 063105. | 1.3 | 9 |

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|---|---|---|---|
| 19 | Oscillator strength measurements of the 5s5p 3P1â†'5snd 3D2 Rydberg transitions of cadmium. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2010, 65, 842-846. | 2.9 | 9 |
| 20 | Photoionization studies from the 3pâ€‰P2 excited state of neutral lithium. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 3386. | 2.1 | 9 |
| 21 | Two-step laser spectroscopy of the highly excited even-parity levels of cadmium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 867-875. | 1.5 | 8 |
| 22 | Photoionization from the 6p2P3/2state of neutral cesium. Physical Review A, 2010, 81, . | 2.5 | 8 |
| 23 | Infrared laser induced plasma diagnostics of silver target. Physics of Plasmas, 2014, 21, 093501. | 1.9 | 7 |
| 24 | Step-wise laser excitation of the 4snf 3F Rydberg states of neutral zinc. Spectroscopy Letters, 2018, 51, 1-6. | 1.0 | 7 |
| 25 | Analysis of alloy and solar cells with double-pulse calibration-free laser-induced breakdown spectroscopy. Optik, 2020, 211, 164627. | 2.9 | 7 |
| 26 | Three-photon excitation of strontium Rydberg levels. Optics Communications, 1998, 156, 279-284. | 2.1 | 6 |
| 27 | Oscillator strength measurements of the highly excited 4s4p ^3P_1^oâ†'4snd ^3D_2 transitions of zinc. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 402. | 2.1 | 6 |
| 28 | Three-step laser excitation of the odd-parity 5s5d 3D â†' 5snf 3F states of cadmium. European Physical Journal D, 2014, 68, 1. | 1.3 | 5 |
| 29 | Analysis of Carbon Contents and Heavy Metals in Coal Samples Using Calibration-free LIBS Technique. Journal of Spectroscopy, 2022, 2022, 1-11. | 1.3 | 5 |
| 30 | Experimental investigation of photoionization cross section for the 3d 2D excited states of lithium and sodium. European Physical Journal D, 2013, 67, 1. | 1.3 | 3 |
| 31 | Spectroscopic Investigation of the Odd-Parity 3d 2 D â†' nf 2 F Transitions of Neutral Sodium. Journal of Applied Spectroscopy, 2015, 82, 719-725. | 0.7 | 3 |
| 32 | Structural and optical properties of TiO2â€“Ge nanoparticles prepared through laser ablation in liquid medium. Canadian Journal of Physics, 2017, 95, 645-649. | 1.1 | 1 |
| 33 | Investigation of the 4s n f 1 F 3 Rydberg states of zinc and determination of the dipole polarizability of the Zn + ion. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 142, 85-90. | 2.9 | 1 |
| 34 | Oscillator strength measurements of the 4s5s <sup>3</sup>S<sub>1</sub> â†' 4snp <sup>3</sup>P<sup>o</sup><sub>2</sub> Rydberg transitions of zinc. Spectroscopy Letters, 2019, 52, 143-149. | 1.0 | 1 |
| 35 | Bandgap Engineering in $$hbox {TiO}_{2}$$ TiO 2 â€“Ge Nanocomposite Thin Films. Arabian Journal for Science and Engineering, 2019, 44, 603-612. | 3.0 | 1 |
| 36 | Compositional analysis of soil using calibration-free laser-induced breakdown spectroscopy. Spectroscopy Letters, 2022, 55, 350-361. | 1.0 | 1 |

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|---|---|---|---|
| 37 | Photoionization cross sections and oscillator strengths of neutral cesium. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 2058-2065. | 2.3 | 0 |
| 38 | Spectroscopic investigation of the 3d 2Dâ†'nf 2F transitions in lithium. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 119, 83-90. | 2.9 | 0 |
| 39 | Characterization of laser produced plasma using laser induced breakdown spectroscopy. Plasma Physics Reports, 2017, 43, 858-864. | 0.9 | 0 |