# Jose Jimenez-Mier

List of Publications by Year
in descending order



| 62 | 947 | 516561 16 | 477173 29 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 63 | 63 | 63 | 1123 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Saturation and optical pumping effects in the fluorescence that follows the excitation of the D2 transition in atomic rubidium. Optics Communications, 2022, 508, 127727. | 1.0 | 1 |
| 2 | Electric-dipole forbidden transitions for probing atomic state preparation: the case of the Autlerâ€“Townes effect. Journal of Physics B: Atomic, Molecular and Optical Physics, 2021, 54, 095002. | 0.6 | 4 |
| 3 | Optical spectroscopy of the 5p 3/2 â† 6p 1/2 electric dipole-forbidden transition in atomic rubidium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 135001. | 0.6 | 4 |
| 4 | One step beyond the electric dipole approximation: An experiment to observe the 5pâ€‰â†’â€‰6p forbidden transition in atomic rubidium. American Journal of Physics, 2018, 86, 7-13. | 0.3 | 3 |
| 5 | Laser spectroscopy of the 5P3/2 â† 6Pj (j = 1/2 and 3/2) electric dipole forbidden transitions in atomic rubidium. AIP Conference Proceedings, 2018, , . | 0.3 | 1 |
| 6 | Optical, Electronic, and Magnetic Engineering of âŸ¨111âŸ© Layered Halide Perovskites. Chemistry of Materials, 2018, 30, 5315-5321. | 3.2 | 69 |
| 7 | Control of electronic magnetic state population via light polarization in the 5p<sub>3/2</sub>$ ightarrow $ 6p<sub>3/2</sub>electric quadrupole transition in atomic rubidium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 025003. | 0.6 | 6 |
| 8 | The influence of charge transfers effects in monazite-type LaVO4 and perovskite-type LaVO3 prepared by sol-gel acrylamide polymerization. Journal of Electron Spectroscopy and Related Phenomena, 2016, 211, 82-86. | 0.8 | 4 |
| 9 | A laser spectroscopy system with combined absorption, polarization rotation and fluorescence detection to study two photon transitions in atomic rubidium. Journal of Applied Research and Technology, 2015, 13, 543-550. | 0.6 | 2 |
| 10 | Observation of the5p3/2â†’6p3/2electric-dipole-forbidden transition in atomic rubidium using optical-optical double-resonance spectroscopy. Physical Review A, 2015, 92, . | 1.0 | 14 |
| 11 | X-ray absorption and resonant inelastic x-ray scattering (RIXS) show the presence of Cr+ at the surface and in the bulk of CrF2. AIP Conference Proceedings, 2015, , . | 0.3 | 1 |
| 12 | Polarization effects in the interaction between multi-level atoms and two optical fields. Physica Scripta, 2015, 90, 068017. | 1.2 | 6 |
| 13 | Probe-intensity dependence of velocity-selective polarization spectra at the rubidiumD2manifold and comparison with a rate-equation calculation. Physical Review A, 2014, 89, . | 1.0 | 7 |
| 14 | Layered-structural monoclinicâ€“orthorhombic perovskite La2Ti2O7 to orthorhombic LaTiO3 phase transition and their microstructure characterization. Materials Characterization, 2014, 89, 13-22. | 1.9 | 40 |
| 15 | Strongly correlated transition metal compounds investigated by soft X-ray spectroscopies and multiplet calculations. Journal of Electron Spectroscopy and Related Phenomena, 2014, 196, 136-141. | 0.8 | 2 |
| 16 | Atomic multiplets at the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>L</mml:mi><mml:mrow><mml:mn>2</mml:mn><mml:mo>,</mml:mo><mml:mn>3</mml:mn><br>of 3<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>d</mml:mi></mml:math>transition metals and the ligand K edge in x-ray absorption spectroscopy of ionic systems. Physical Review B, 2013, 87, . | 1.1 | 19 |
| 17 | Excited states in yttrium orthovanadate YVO4 measured by soft X-ray absorption spectroscopy. Journal of Materials Science, 2013, 48, 6437-6444. | 1.7 | 7 |
| 18 | Fast electron dynamics in vanadates measured by resonant inelastic x-ray scattering. Materials Letters, 2013, 107, 144-146. | 1.3 | 1 |

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| 19 | X-ray absorption to determine the metal oxidation state of transition metal compounds. AIP Conference Proceedings, 2013, , . | 0.3 | 2 |
| 20 | Novel solâ€“gel methodology to produce LaCoO3 by acrylamide polymerization assisted by Î³-irradiation. Radiation Physics and Chemistry, 2012, 81, 512-518. | 1.4 | 13 |
| 21 | Direct probe of Mott-Hubbard to charge-transfer insulator transition and electronic structure evolution in transition-metal systems. Physical Review B, 2011, 83, . | 1.1 | 53 |
| 22 | Synthesis of Lithium Cobaltite (LiCoO2) Prepared by Solid State and Sol-gel Acryl Amide Polymerization Reaction.. Microscopy and Microanalysis, 2009, 15, 1312-1313. | 0.2 | 0 |
| 23 | Polarized velocity selective spectroscopy of atomic rubidium using counterpropagating beams. Optics Communications, 2009, 282, 887-891. | 1.0 | 11 |
| 24 | Structural and morphology comparison between m-LaVO4 and LaVO3 compounds prepared by solâ€“gel acrylamide polymerization and solid state reaction. Journal of Alloys and Compounds, 2009, 479, 511-519. | 2.8 | 26 |
| 25 | Microstructural Comparison of La-V-O Compounds Prepared by Sol-Gel Acrylamide Polymerization and Solid State Reaction.. Microscopy and Microanalysis, 2009, 15, 1044-1045. | 0.2 | 6 |
| 26 | Synthesis and structural characterization of YVO3 prepared by solâ€“gel acrylamide polymerization and solid state reaction methods. Journal of Sol-Gel Science and Technology, 2008, 46, 1-10. | 1.1 | 17 |
| 27 | Beryllium doubly excited autoionizing resonances between the2pand3pthresholds. Physical Review A, 2007, 76, . | 1.0 | 7 |
| 28 | Electronic structure of transition metal fluorides and oxides determined by resonant X-ray absorption and X-ray emission spectroscopies. Radiation Effects and Defects in Solids, 2007, 162, 613-620. | 0.4 | 3 |
| 29 | X-ray Raman scattering at the edge of manganese compounds: Characteristic behaviour of and. Radiation Physics and Chemistry, 2006, 75, 1666-1669. | 1.4 | 2 |
| 30 | Valence satellite photoionization of atomic scandium in the region of the 3p â†' 3d giant resonance. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 3273-3287. | 0.6 | 4 |
| 31 | X-ray Raman scattering at the manganeseLedge ofMnF2: Valence emission ofMn2+. Physical Review A, 2005, 72, . | 1.0 | 5 |
| 32 | Chemical effects in the manganese3sâ†'2px-ray emission that follows resonant and nonresonant photon production of a2phole. Physical Review B, 2004, 70, . | 1.1 | 10 |
| 33 | Correlation effects in the resonant and nonresonant manganese3sâ†'2pphoton emission inMnF2. Physical Review A, 2003, 68, . | 1.0 | 5 |
| 34 | Direct evidence for 3p Â 2p non-dipole x-ray emission in transition metals. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, L173-L180. | 0.6 | 6 |
| 35 | Angular distributions of the atomic scandium3dand4sphotoelectrons in the region of the3pâ†'3dgiant resonance. Physical Review A, 2002, 66, . | 1.0 | 12 |
| 36 | Decay channels for theTi(2p1/2)core hole excitations inTiO2observed by x-ray Raman scattering. Physical Review B, 2002, 65, . | 1.1 | 11 |

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|---|---|---|---|
| 37 | An approximation to the plasma dispersion function. Journal of Quantitative Spectroscopy and Radiative Transfer, 2001, 70, 273-284. | 1.1 | 6 |
| 38 | Core polarization effects in the decay of 1s â†'np (n= 2-6) resonantly excited beryllium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2001, 34, L693-L700. | 0.6 | 3 |
| 39 | Auger decay of the 1s rightarrownp (n= 2-6) resonances in beryllium. Journal of Physics B: Atomic, Molecular and Optical Physics, 1999, 32, 4301-4307. | 0.6 | 9 |
| 40 | Calculation of the dipole-allowed excitations of the3p44s4pand3p43d4pconfigurations in argon. Physical Review A, 1999, 59, 1690-1693. | 1.0 | 1 |
| 41 | Dynamical behavior of x-ray absorption and scattering at theLedge of titanium compounds: Experiment and theory. Physical Review B, 1999, 59, 2649-2658. | 1.1 | 56 |
| 42 | High-resolution photoelectron spectrometry of autoionizing resonances between the3Pand1Dthresholds in atomic chlorine. Physical Review A, 1997, 56, 3659-3665. | 1.0 | 9 |
| 43 | High-resolution electron spectrometry of open-shell atoms. Journal of Electron Spectroscopy and Related Phenomena, 1996, 79, 241-246. | 0.8 | 5 |
| 44 | Evidence for the spin-orbit-inducedp4(D21)mdF22resonances in atomic Br and Cl. Physical Review A, 1996, 54, R2537-R2539. | 1.0 | 10 |
| 45 | Study of buried interfaces by soft xâ€ray fluorescence spectroscopy excited by synchrotron radiation. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1996, 14, 859-866. | 0.9 | 10 |
| 46 | Photoionization of atomic oxygen at the multiplet term level from 20 to 212 eV. Physical Review A, 1995, 52, 4656-4664. | 1.0 | 17 |
| 47 | Photoelectron spectra in cadmium: comparison with theory and (e,2e) spectra. Journal of Physics B: Atomic, Molecular and Optical Physics, 1994, 27, 3945-3951. | 0.6 | 5 |
| 48 | Photoexcited K Auger spectra of atomic and molecular oxygen. Journal of Electron Spectroscopy and Related Phenomena, 1994, 67, 243-259. | 0.8 | 40 |
| 49 | Contribution of the instrument window function to the profile of autoionizing resonances. Journal of Quantitative Spectroscopy and Radiative Transfer, 1994, 51, 741-749. | 1.1 | 21 |
| 50 | Evidence for atomic features in the decay of resonantly excited molecular oxygen. Chemical Physics Letters, 1993, 213, 315-320. | 1.2 | 46 |
| 51 | Energy dependence of the outer core-level multiplet structures in atomic Mn and Mn-containing compounds. Physical Review B, 1993, 48, 12425-12437. | 1.1 | 64 |
| 52 | High-resolution photoelectron spectrometric analysis of the decay of the 4pexcitations in atomic strontium. Physical Review A, 1993, 48, 442-451. | 1.0 | 14 |
| 53 | Alignment of photoionization-producedHe+(2p) between then=2 and 3 levels. Physical Review A, 1991, 44, 5615-5623. | 1.0 | 8 |
| 54 | Effect of correlation on 2p-row atomicgJfactors. Physical Review A, 1991, 43, 4026-4029. | 1.0 | 1 |

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|---|---|---|---|
| 55 | Autoionizing resonances 4dâ†'nlin cadmium. Physical Review A, 1989, 39, 95-102. | 1.0 | 28 |
| 56 | Partial and total cross sections and multiplet structure in the photoionization of atomic manganese. Physical Review A, 1989, 40, 3712-3720. | 1.0 | 35 |
| 57 | Magnetic moments of atomic nitrogen in theS4andD2levels of its ground-state configuration. Physical Review A, 1989, 39, 58-63. | 1.0 | 7 |
| 58 | Investigations on the photoionization of the core levels of nitrous oxide. Journal of Electron Spectroscopy and Related Phenomena, 1988, 47, 257-269. | 0.8 | 16 |
| 59 | Direct Evidence from Gas-Phase Atomic Spectra for an Unscreened Intra-Atomic Origin of Outer-Core Multiplet Splittings in Solid Manganese Compounds. Physical Review Letters, 1988, 61, 2592-2595. | 2.9 | 96 |
| 60 | Photoionization of gallium at 3d-4p and 4s-np (n=5,6) resonances. Physical Review A, 1988, 37, 2408-2414. | 1.0 | 7 |
| 61 | Angular Distribution of Fluorescence from Photoionization-ProducedHe+(n=2). Physical Review Letters, 1986, 57, 2260-2263. | 2.9 | 40 |
| 62 | Ultrahigh-resolution frequency measurements in the ^39K_2B^1Îu-X^1â^g^+ (6-0) band. Journal of the Optical Society of America B: Optical Physics, 1985, 2, 411. | 0.9 | 9 |