

RenÃ© A Nome

List of Publications by Year in descending order

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47
papers

733
citations

567281

15
h-index

552781

26
g-index

56
all docs

56
docs citations

56
times ranked

1052
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Phosphate Diester Hydrolysis and DNA Damage Promoted by Newcis-Aqua/Hydroxy Copper(II) Complexes Containing Tridentate Imidazole-rich Ligands. <i>Inorganic Chemistry</i> , 2003, 42, 8353-8365. | 4.0 | 108 |
| 2 | Plasmonic Interactions and Optical Forces between Au Bipyramidal Nanoparticle Dimers. <i>Journal of Physical Chemistry A</i> , 2009, 113, 4408-4415. | 2.5 | 63 |
| 3 | Synthesis, crystal structure and properties of dinuclear iron(III) complexes containing terminally coordinated phenolate/H ₂ O/OH ⁻ groups as models for purple acid phosphatases: efficient hydrolytic DNA cleavage. <i>Inorganica Chimica Acta</i> , 2005, 358, 339-351. | 2.4 | 52 |
| 4 | Distribution of hexavalent Cr species across the clay mineral surface-water interface. <i>Journal of Colloid and Interface Science</i> , 2006, 296, 465-471. | 9.4 | 50 |
| 5 | Optical coherence and theoretical study of the excitation dynamics of a highly symmetric cyclophane-linked oligophenylenevinylene dimer. <i>Journal of Chemical Physics</i> , 2006, 124, 194904. | 3.0 | 47 |
| 6 | Controlling Plasmonic Wave Packets in Silver Nanowires. <i>Nano Letters</i> , 2010, 10, 3389-3394. | 9.1 | 36 |
| 7 | Single-molecule detection of structural changes during Per-Arnt-Sim (PAS) domain activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11561-11566. | 7.1 | 33 |
| 8 | Spectral tuning in photoactive yellow protein by modulation of the shape of the excited state energy surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 5821-5826. | 7.1 | 33 |
| 9 | Supramolecular Polymer/Surfactant Complexes as Catalysts for Phosphate Transfer Reactions. <i>ACS Catalysis</i> , 2017, 7, 2230-2239. | 11.2 | 31 |
| 10 | Field-resolved measurement of reaction-induced spectral densities by polarizability response spectroscopy. <i>Journal of Chemical Physics</i> , 2007, 127, 184505. | 3.0 | 29 |
| 11 | Axis-dependent anisotropy in protein unfolding from integrated nonequilibrium single-molecule experiments, analysis, and simulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20799-20804. | 7.1 | 27 |
| 12 | Enhanced reproducibility of planar perovskite solar cells by fullerene doping with silver nanoparticles. <i>Journal of Applied Physics</i> , 2018, 124, . | 2.5 | 20 |
| 13 | Influence of the Vibrational Modes from the Organic Moieties in 2D Lead Halides on Excitonic Recombination and Phase Transition. <i>Advanced Optical Materials</i> , 2020, 8, 2001431. | 7.3 | 19 |
| 14 | Ultrafast dynamics of solvation: the story so far. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 2189-2204. | 0.6 | 17 |
| 15 | Resolving the emission times of solute and solvent four-wave mixing signals by spectral interferometry. <i>Journal of Chemical Physics</i> , 2006, 125, 031101. | 3.0 | 15 |
| 16 | Interaction of Cr ³⁺ with Silica Gel at the Aqueous Interface Using Fluorescence in Sodium Dodecyl Sulfate Micelles and Confocal Fluorescence Microscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 3517-3523. | 3.1 | 13 |
| 17 | Effective targeting of proton transfer at ground and excited states of ortho-(2-imidazolyl)naphthol constitutional isomers. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 2404-2415. | 2.8 | 13 |
| 18 | Theoretical framework for the distribution of trace metals among the operationally defined speciation phases of a sediment. <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 693-697. | 4.3 | 12 |

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|----|--|-----|-----------|
| 19 | Facile control of system-bath interactions and the formation of crystalline phases of poly[(9,9-dioctylfluorenyl-2,7-diyl)-alt-co-(9,9-di-{5- ϵ -pentanyl}-fluorenyl-2,7-diyl)] in silicone-based polymer hosts. <i>European Polymer Journal</i> , 2013, 49, 693-705. | 5.4 | 11 |
| 20 | Towards in situ fluorescence spectroscopy and microscopy investigations of asphaltene precipitation kinetics. <i>Optics Express</i> , 2013, 21, 30874. | 3.4 | 11 |
| 21 | Field-Resolved Coherent Raman Spectroscopy of High Frequency Vibrational Resonances. <i>Journal of Physical Chemistry A</i> , 2006, 110, 10925-10928. | 2.5 | 10 |
| 22 | Real time single TiO ₂ nanoparticle monitoring of the photodegradation of methylene blue. <i>Solar Energy</i> , 2019, 190, 239-245. | 6.1 | 10 |
| 23 | Quantitative Treatment of Magnesium Ion Adsorption at the β -Al ₂ O ₃ /Water Interface. <i>Journal of Physical Chemistry C</i> , 2010, 114, 15078-15083. | 3.1 | 9 |
| 24 | Anion binding to surfactant aggregates: AuCl ₄ ⁻ in cationic, anionic and zwitterionic micelles. <i>Journal of Molecular Liquids</i> , 2020, 314, 113607. | 4.9 | 9 |
| 25 | Assessing the dephasing dynamics of water from linear field-resolved pulse propagation experiments and simulations in highly absorbing solutions. <i>Journal of Chemical Physics</i> , 2008, 129, 224502. | 3.0 | 5 |
| 26 | Characterizing Slow Photochemical Reaction Kinetics by Enhanced Sampling of Rare Events with Capillary Optical Fibers and Kramers' Theory. <i>ACS Omega</i> , 2017, 2, 2719-2727. | 3.5 | 5 |
| 27 | Correlating structural dynamics and catalytic activity of AgAu nanoparticles with ultrafast spectroscopy and all-atom molecular dynamics simulations. <i>Faraday Discussions</i> , 2018, 208, 269-286. | 3.2 | 5 |
| 28 | The challenges of characterising nanoparticulate catalysts: general discussion. <i>Faraday Discussions</i> , 2018, 208, 339-394. | 3.2 | 5 |
| 29 | Femtosecond laser induced luminescence in hierarchically structured Nd ^{III} , Yb ^{III} , Er ^{III} co-doped upconversion nanoparticles: Light-matter interaction mechanisms from experiments and simulations. <i>Journal of Luminescence</i> , 2021, 234, 117953. | 3.1 | 5 |
| 30 | Interaction between an organic dye in water and sand packs in a flume system. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 2426-2431. | 4.3 | 4 |
| 31 | Electronic energy transfer between poly(9,9-dihexylfluorene-2,2-diyl) and MEH-PPV: A photophysical study in solutions and in the solid state. <i>Synthetic Metals</i> , 2011, 161, 2154-2161. | 3.9 | 4 |
| 32 | Rich stochastic dynamics of co-doped Er:Yb fluorescence upconversion nanoparticles in the presence of thermal, non-conservative, harmonic and optical forces. <i>Methods and Applications in Fluorescence</i> , 2017, 5, 014005. | 2.3 | 4 |
| 33 | Ethyl stearate: ethanol binary mixtures investigated by ultrafast OKE spectroscopy, optical microscopy, dynamic light scattering, and rheology. <i>Journal of Physical Organic Chemistry</i> , 2014, 27, 316-321. | 1.9 | 3 |
| 34 | Toward Heterogeneously Catalyzed Detoxification of Phosphotriesters: Insights from Kinetics and Theoretical Calculations. <i>Journal of Physical Chemistry C</i> , 2018, 122, 25530-25538. | 3.1 | 3 |
| 35 | Ultrafast Dynamics of Au Nanopyramid Interfaces Prepared by Nanosphere Lithography: Effect of Substrate Chemical Composition. <i>Journal of the Brazilian Chemical Society</i> , 2015, , . | 0.6 | 2 |
| 36 | Confocal microscopy and femtosecond-based second-harmonic generation characterization of the interaction of chromium ions with environmental surfaces. <i>Current Opinion in Colloid and Interface Science</i> , 2013, 18, 47-53. | 7.4 | 1 |

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|----|---|-----|-----------|
| 37 | Application of new nanoparticle structures as catalysts: general discussion. Faraday Discussions, 2018, 208, 575-593. | 3.2 | 1 |
| 38 | TIMPZ: An Exquisite Building Block for Metal/Hydrogen Coordination Polymers. European Journal of Inorganic Chemistry, 2019, 2019, 2291-2294. | 2.0 | 1 |
| 39 | Integrating ultrafast and stochastic dynamics studies of Brownian motion in molecular systems and colloidal particles. Current Opinion in Colloid and Interface Science, 2019, 44, 208-219. | 7.4 | 1 |
| 40 | Compact arrangement for femtosecond laser induced generation of broadband hard x-ray pulses. , 2018, , . | | 1 |
| 41 | “On the fly” evaluation of upconversion nanoparticle power dependence from individual stochastic trajectories. , 2021, , . | | 1 |
| 42 | Hydrogen peroxide disproportionation: time-resolved optical measurements of spectra, scattering and imaging combined with correlation analysis and simulations. Journal of Molecular Structure, 2022, 1251, 131992. | 3.6 | 1 |
| 43 | Confocal Fluorescence Microscopy and Kinetics of the Cr ³⁺ -Chromate Ion Oxidation Equilibria at the Solid Liquid Interface. Journal of the Brazilian Chemical Society, 0, , . | 0.6 | 0 |
| 44 | Editorial: Integrating Timescales From Molecules Up. Frontiers in Chemistry, 2021, 9, 680533. | 3.6 | 0 |
| 45 | Two-Color Electric Field Resolved Transient Grating Spectroscopy of an Oligophenylenevinylene Dimer. , 2006, , . | | 0 |
| 46 | Rich stochastic dynamics of co-doped Er:Yb fluorescence upconversion nanoparticles in the presence of thermal, non-conservative, harmonic and optical forces. , 2017, , . | | 0 |
| 47 | Low-frequency stimulated Raman spectroscopy measurements at electrochemical interfaces. , 2020, , . | | 0 |