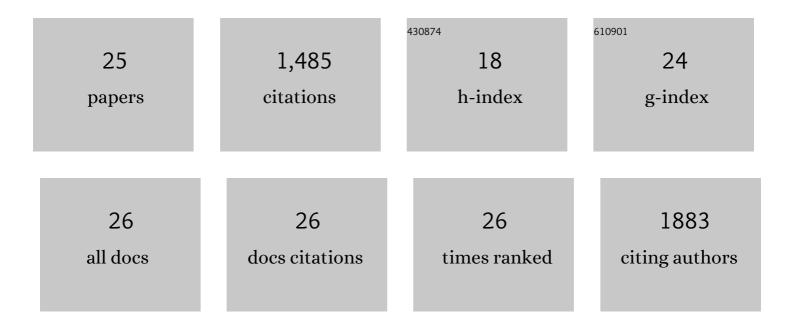
Sean A Fischer

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8254852/publications.pdf Version: 2024-02-01



SEAN & FISCHED

| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Quantifying proton diffusion in acid-functionalized chitosan membranes. Computational Materials Science, 2022, 210, 110988. | 3.0 | 1 |
| 2 | Insertion of the Liquid Crystal 5CB into Monovacancy Graphene. Molecules, 2022, 27, 1664. | 3.8 | 1 |
| 3 | Effect of Structure and Hydration Level on Water Diffusion in Chitosan Membranes. Macromolecular Theory and Simulations, 2021, 30, 2000064. | 1.4 | 2 |
| 4 | First Principles Nonadiabatic Excited-State Molecular Dynamics in NWChem. Journal of Chemical Theory and Computation, 2020, 16, 6418-6427. | 5.3 | 20 |
| 5 | Analysis of Correlated Dynamics in the Grotthuss Mechanism of Proton Diffusion. Journal of Physical Chemistry B, 2019, 123, 5536-5544. | 2.6 | 30 |
| 6 | Thermotropic liquid crystal (5CB) on two-dimensional materials. Physical Review E, 2019, 100, 062701. | 2.1 | 7 |
| 7 | Synthesis and Structure of Sn ₁₄ Cl ₆ (CH ₂ SiMe ₃) ₁₂ : Toward Nanoclusters of 4-Coordinate α-Sn. Inorganic Chemistry, 2018, 57, 4921-4925. | 4.0 | 4 |
| 8 | Adsorption of the liquid crystal molecule 5CB on graphene. Physical Review E, 2018, 98, . | 2.1 | 3 |
| 9 | Correlated dynamics in aqueous proton diffusion. Chemical Science, 2018, 9, 7126-7132. | 7.4 | 26 |
| 10 | Proton transport through hydrated chitosanâ€based polymer membranes under electric fields. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 1103-1109. | 2.1 | 9 |
| 11 | Excited-State Absorption from Real-Time Time-Dependent Density Functional Theory: Optical Limiting in Zinc Phthalocyanine. Journal of Physical Chemistry Letters, 2016, 7, 1387-1391. | 4.6 | 31 |
| 12 | Ice-nucleating bacteria control the order and dynamics of interfacial water. Science Advances, 2016, 2, e1501630. | 10.3 | 182 |
| 13 | Infrared and Raman Spectroscopy from Ab Initio Molecular Dynamics and Static Normal Mode Analysis: The C–H Region of DMSO as a Case Study. Journal of Physical Chemistry B, 2016, 120, 1429-1436. | 2.6 | 43 |
| 14 | Trp-Cage Folding on Organic Surfaces. Journal of Physical Chemistry B, 2015, 119, 10417-10425. | 2.6 | 28 |
| 15 | Excited State Absorption from Real-Time Time-Dependent Density Functional Theory. Journal of Chemical Theory and Computation, 2015, 11, 4294-4303. | 5.3 | 70 |
| 16 | Non-adiabatic molecular dynamics investigation of photoionization state formation and lifetime in Mn ²⁺ -doped ZnO quantum dots. Physical Chemistry Chemical Physics, 2014, 16, 17507. | 2.8 | 24 |
| 17 | Conditions for Directional Charge Transfer in CdSe Quantum Dots Functionalized by Ru(II) Polypyridine Complexes. Journal of Physical Chemistry Letters, 2014, 5, 3565-3576. | 4.6 | 31 |
| 18 | Decoherence-induced surface hopping. Journal of Chemical Physics, 2012, 137, 22A545. | 3.0 | 491 |

SEAN A FISCHER

| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Passivating ligand and solvent contributions to the electronic properties of semiconductor nanocrystals. Nanoscale, 2012, 4, 904-914. | 5.6 | 123 |
| 20 | Solvated First-Principles Excited-State Charge-Transfer Dynamics with Time-Dependent Polarizable Continuum Model and Solvent Dielectric Relaxation. Journal of Physical Chemistry Letters, 2012, 3, 2898-2904. | 4.6 | 40 |
| 21 | Excited states and optical absorption of small semiconducting clusters: Dopants, defects and charging. Chemical Science, 2011, 2, 400. | 7.4 | 38 |
| 22 | Energy-Specific Linear Response TDHF/TDDFT for Calculating High-Energy Excited States. Journal of Chemical Theory and Computation, 2011, 7, 3540-3547. | 5.3 | 100 |
| 23 | Surface hopping with Ehrenfest excited potential. Journal of Chemical Physics, 2011, 135, 144102. | 3.0 | 44 |
| 24 | Multiple Exciton Generation in Small Si Clusters: A High-Level, Ab Initio Study. Journal of Physical Chemistry Letters, 2010, 1, 232-237. | 4.6 | 38 |
| 25 | Ab Initio Nonadiabatic Molecular Dynamics of Wet-Electrons on the TiO ₂ Surface. Journal of the American Chemical Society, 2009, 131, 15483-15491. | 13.7 | 99 |