

# Tamar Zelovich

## List of Publications by Year in descending order

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15  
papers

1,732  
citations

840776

11  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

1204  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Eutectic Solvents: A Review of Fundamentals and Applications. <i>Chemical Reviews</i> , 2021, 121, 1232-1285.	47.7	1,334
2	Hydroxide Ion Diffusion in Anion-Exchange Membranes at Low Hydration: Insights from Ab Initio Molecular Dynamics. <i>Chemistry of Materials</i> , 2019, 31, 5778-5787.	6.7	64
3	State Representation Approach for Atomistic Time-Dependent Transport Calculations in Molecular Junctions. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 2927-2941.	5.3	56
4	Ab Initio Molecular Dynamics Study of Hydroxide Diffusion Mechanisms in Nanoconfined Structural Mimics of Anion Exchange Membranes. <i>Journal of Physical Chemistry C</i> , 2019, 123, 4638-4653.	3.1	43
5	Parameter-free driven Liouville-von Neumann approach for time-dependent electronic transport simulations in open quantum systems. <i>Journal of Chemical Physics</i> , 2017, 146, 092331.	3.0	40
6	Molecule-Lead Coupling at Molecular Junctions: Relation between the Real- and State-Space Perspectives. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 4861-4869.	5.3	33
7	Driven Liouville von Neumann Equation in Lindblad Form. <i>Journal of Physical Chemistry A</i> , 2016, 120, 3278-3285.	2.5	33
8	Driven Liouville von Neumann Approach for Time-Dependent Electronic Transport Calculations in a Nonorthogonal Basis-Set Representation. <i>Journal of Physical Chemistry C</i> , 2016, 120, 15052-15062.	3.1	27
9	Water Layering Affects Hydroxide Diffusion in Functionalized Nanoconfined Environments. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5087-5091.	4.6	25
10	Hydronium ion diffusion in model proton exchange membranes at low hydration: insights from <i>ab initio</i> molecular dynamics. <i>Journal of Materials Chemistry A</i> , 2021, 9, 2448-2458.	10.3	25
11	Non-Monotonic Temperature Dependence of Hydroxide Ion Diffusion in Anion Exchange Membranes. <i>Chemistry of Materials</i> , 2022, 34, 2133-2145.	6.7	25
12	OH <sup>-</sup> and H <sub>3</sub> O <sup>+</sup> Diffusion in Model AEMs and PEMs at Low Hydration: Insights from Ab Initio Molecular Dynamics. <i>Membranes</i> , 2021, 11, 355.	3.0	11
13	Controlling Hydronium Diffusivity in Model Proton Exchange Membranes. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2245-2253.	4.6	7
14	The impact of carbonation on hydroxide diffusion in nano-confined anion exchange membranes. <i>Journal of Materials Chemistry A</i> , 2022, 10, 11137-11149.	10.3	6
15	Relativistic coupled cluster calculation of Mössbauer isomer shifts of iodine compounds. <i>Molecular Physics</i> , 2017, 115, 138-143.	1.7	3