

# Tahereh Nemati Aram

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

384  
citations

759233

12  
h-index

794594

19  
g-index

21  
all docs

21  
docs citations

21  
times ranked

336  
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic materials repurposing, a data set for theoretical predictions of new applications for existing compounds. <i>Scientific Data</i> , 2022, 9, 54.	5.3	16
2	Feasibility of p-Doped Molecular Crystals as Transparent Conductive Electrodes via Virtual Screening. <i>Chemistry of Materials</i> , 2022, 34, 4050-4061.	6.7	0
3	Quantitative Hole Mobility Simulation and Validation in Substituted Acenes. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 5530-5537.	4.6	7
4	Novel thermally activated delayed fluorescence materials by high-throughput virtual screening: going beyond donor-acceptor design. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3324-3333.	5.5	27
5	Bright Frenkel Excitons in Molecular Crystals: A Survey. <i>Chemistry of Materials</i> , 2021, 33, 3368-3378.	6.7	22
6	High-throughput virtual screening for organic electronics: a comparative study of alternative strategies. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13557-13583.	5.5	20
7	Strategies to reduce the dynamic disorder in molecular semiconductors. <i>Materials Horizons</i> , 2020, 7, 2922-2928.	12.2	14
8	Modeling charge transport in high-mobility molecular semiconductors: Balancing electronic structure and quantum dynamics methods with the help of experiments. <i>Journal of Chemical Physics</i> , 2020, 152, 190902.	3.0	33
9	On the Largest Possible Mobility of Molecular Semiconductors and How to Achieve It. <i>Advanced Functional Materials</i> , 2020, 30, 2001906.	14.9	45
10	Predictive Model of Charge Mobilities in Organic Semiconductor Small Molecules with Force-Matched Potentials. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 3494-3503.	5.3	12
11	Impact of electron-phonon coupling on the quantum yield of photovoltaic devices. <i>Journal of Chemical Physics</i> , 2020, 152, 044109.	3.0	9
12	Singlet fission molecules among known compounds: finding a few needles in a haystack. <i>Energy and Environmental Science</i> , 2019, 12, 2412-2416.	30.8	74
13	Practical Computation of the Charge Mobility in Molecular Semiconductors Using Transient Localization Theory. <i>Journal of Physical Chemistry C</i> , 2019, 123, 6989-6997.	3.1	40
14	Impact of offset energies on the yield of interfacial charge separation in molecular photocells. <i>Journal of Chemical Physics</i> , 2018, 149, 064102.	3.0	4
15	The impact of long-range electron-hole interaction on the charge separation yield of molecular photocells. <i>Journal of Chemical Physics</i> , 2017, 146, 034103.	3.0	10
16	Quantum modeling of two-level photovoltaic systems. <i>EPJ Photovoltaics</i> , 2017, 8, 85503.	1.6	11
17	Modeling of molecular photocells: Application to two-level photovoltaic system with electron-hole interaction. <i>Journal of Chemical Physics</i> , 2016, 145, 124116.	3.0	13
18	Simple model of a coherent molecular photocell. <i>Journal of Chemical Physics</i> , 2016, 144, 134102.	3.0	12

#	ARTICLE	IF	CITATIONS
19	Charge separation in organic solar cells: Effects of Coulomb interaction, recombination and hole propagation. <i>Europhysics Letters</i> , 2016, 115, 18003.	2.0	12
20	Influence of Fermi velocity engineering on electronic and optical properties of graphene superlattices. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 974-978.	2.1	3
21	Quantum Two-Level Model for Excitonic Solar Cells. , 0, , .		0