

Riccardo Alessandri

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,762
citations

516561

16
h-index

794469

19
g-index

28
all docs

28
docs citations

28
times ranked

1729
citing authors

#	ARTICLE	IF	CITATIONS
1	Two decades of Martini: Better beads, broader scope. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2023, 13, .	6.2	58
2	Polyply; a python suite for facilitating simulations of macromolecules and nanomaterials. Nature Communications, 2022, 13, 68.	5.8	48
3	Martini 3 Coarse-Grained Force Field: Small Molecules. Advanced Theory and Simulations, 2022, 5, .	1.3	72
4	Fullerene derivatives with oligoethylene glycol side chains: an investigation on the origin of their outstanding transport properties. Journal of Materials Chemistry C, 2021, 9, 16217-16225.	2.7	10
5	Martini 3: a general purpose force field for coarse-grained molecular dynamics. Nature Methods, 2021, 18, 382-388.	9.0	557
6	The Martini Model in Materials Science. Advanced Materials, 2021, 33, e2008635.	11.1	63
7	Comparing Dimerization Free Energies and Binding Modes of Small Aromatic Molecules with Different Force Fields. Molecules, 2021, 26, 6069.	1.7	3
8	Molecular versus Excitonic Disorder in Individual Artificial Light-Harvesting Systems. Journal of the American Chemical Society, 2020, 142, 18073-18085.	6.6	13
9	Multiscale modeling of molecular structure and optical properties of complex supramolecular aggregates. Chemical Science, 2020, 11, 11514-11524.	3.7	18
10	N-type organic thermoelectrics: demonstration of $ZT > 0.3$. Nature Communications, 2020, 11, 5694.	5.8	98
11	Protein-ligand binding with the coarse-grained Martini model. Nature Communications, 2020, 11, 3714.	5.8	139
12	Resolving Donor-Acceptor Interfaces and Charge Carrier Energy Levels of Organic Semiconductors with Polar Side Chains. Advanced Functional Materials, 2020, 30, 2004799.	7.8	28
13	How Ethylene Glycol Chains Enhance the Dielectric Constant of Organic Semiconductors: Molecular Origin and Frequency Dependence. ACS Applied Materials & Interfaces, 2020, 12, 17783-17789.	4.0	23
14	Pitfalls of the Martini Model. Journal of Chemical Theory and Computation, 2019, 15, 5448-5460.	2.3	159
15	Crystal Field in Rare-Earth Complexes: From Electrostatics to Bonding. Chemistry - A European Journal, 2018, 24, 5538-5550.	1.7	21
16	Enhancing Molecular n-Type Doping of Donor-Acceptor Copolymers by Tailoring Side Chains. Advanced Materials, 2018, 30, 1704630.	11.1	217
17	Can the Dielectric Constant of Fullerene Derivatives Be Enhanced by Side-Chain Manipulation? A Predictive First-Principles Computational Study. Journal of Physical Chemistry A, 2018, 122, 3919-3926.	1.1	24
18	Bulk Heterojunction Morphologies with Atomistic Resolution from Coarse-Grain Solvent Evaporation Simulations. Journal of the American Chemical Society, 2017, 139, 3697-3705.	6.6	133

#	ARTICLE	IF	CITATIONS
19	Enhancing doping efficiency by improving host-dopant miscibility for fullerene-based n-type thermoelectrics. <i>Journal of Materials Chemistry A</i> , 2017, 5, 21234-21241.	5.2	73