

Federico Grasselli

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20
papers

117
citations

7
h-index

10
g-index

20
ext. papers

179
ext. citations

5.2
avg, IF

3.58
L-index

#	Paper	IF	Citations
20	Uncertainty estimation for molecular dynamics and sampling. <i>Journal of Chemical Physics</i> , 2021 , 154, 074102	3.9	20
19	Topological quantization and gauge invariance of charge transport in liquid insulators. <i>Nature Physics</i> , 2019 , 15, 967-972	16.2	14
18	Theory and Numerical Simulation of Heat Transport in Multicomponent Systems. <i>Physical Review Letters</i> , 2019 , 122, 255901	7.4	13
17	Exact two-body quantum dynamics of an electron-hole pair in semiconductor coupled quantum wells: A time-dependent approach. <i>Physical Review B</i> , 2016 , 93,	3.3	12
16	Space- and time-dependent quantum dynamics of spatially indirect excitons in semiconductor heterostructures. <i>Journal of Chemical Physics</i> , 2015 , 142, 034701	3.9	9
15	Heat Transport in Insulators from Ab Initio Green-Kubo Theory 2018 , 1-36		9
14	Heat and charge transport in HO at ice-giant conditions from ab initio molecular dynamics simulations. <i>Nature Communications</i> , 2020 , 11, 3605	17.4	8
13	Variational approach to the soft-Coulomb potential in low-dimensional quantum systems. <i>American Journal of Physics</i> , 2017 , 85, 834-839	0.7	5
12	Thermal and Tidal Evolution of Uranus with a Growing Frozen Core. <i>Planetary Science Journal</i> , 2021 , 2, 222	2.9	5
11	The role of internal dynamics in the coherent evolution of indirect excitons. <i>Superlattices and Microstructures</i> , 2017 , 108, 73-87	2.8	3
10	Time-dependent scattering of a composite particle: A local self-energy approach for internal excitations. <i>Physical Review B</i> , 2016 , 94,	3.3	3
9	Oxidation States, Thouless Pumps, and Nontrivial Ionic Transport in Nonstoichiometric Electrolytes. <i>Physical Review X</i> , 2020 , 10,	9.1	3
8	Invariance principles in the theory and computation of transport coefficients. <i>European Physical Journal B</i> , 2021 , 94, 160	1.2	3
7	Exact long-wavelength plasmon dispersion on a ring with soft Coulomb interactions. <i>Physica Scripta</i> , 2017 , 92, 095802	2.6	2
6	Performance of photoelectron spin polarimeters with continuous and pulsed sources: from storage rings to free electron lasers. <i>Journal of Synchrotron Radiation</i> , 2017 , 24, 175-187	2.4	2
5	Two-body quantum propagation in arbitrary potentials. <i>Journal of Physics: Conference Series</i> , 2016 , 738, 012028	0.3	2
4	Temperature- and vacancy-concentration-dependence of heat transport in Li ₃ ClO from multi-method numerical simulations. <i>Npj Computational Materials</i> , 2022 , 8,	10.9	1

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| 3 | Heat Transport in Insulators from Ab Initio Green-Kubo Theory 2020 , 809-844 | | 1 |
| 2 | Classical and quantum dynamics of indirect excitons driven by surface acoustic waves. <i>Physical Review B</i> , 2018 , 98, | 3-3 | 1 |
| 1 | Investigating finite-size effects in molecular dynamics simulations of ion diffusion, heat transport, and thermal motion in superionic materials.. <i>Journal of Chemical Physics</i> , 2022 , 156, 134705 | 3-9 | 1 |