

# Carla Verdi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1598795/publications.pdf>

Version: 2024-02-01

20  
papers

2,876  
citations

566801

15  
h-index

839053

18  
g-index

20  
all docs

20  
docs citations

20  
times ranked

4516  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron-phonon coupling in hybrid lead halide perovskites. Nature Communications, 2016, 7, .	5.8	919
2	EPW: Electron-phonon coupling, transport and superconducting properties using maximally localized Wannier functions. Computer Physics Communications, 2016, 209, 116-133.	3.0	777
3	Bimolecular recombination in methylammonium lead triiodide perovskite is an inverse absorption process. Nature Communications, 2018, 9, 293.	5.8	243
4	Fröhlich Electron-Phonon Vertex from First Principles. Physical Review Letters, 2015, 115, 176401.	2.9	232
5	<i>GW</i> Band Structures and Carrier Effective Masses of $\text{CH}_3\text{NH}_3\text{PbI}_3$ and Hypothetical Perovskites of the Type $\text{APbI}_3$ : $A = \text{NH}_4$ , $\text{PH}_4$ , $\text{AsH}_4$ , and $\text{SbH}_4$ . Journal of Physical Chemistry C, 2015, 119, 25209-25219.	1.5	144
6	Origin of the crossover from polarons to Fermi liquids in transition metal oxides. Nature Communications, 2017, 8, 15769.	5.8	122
7	<i>Ab initio</i> theory of polarons: Formalism and applications. Physical Review B, 2019, 99, .	1.1	84
8	Polarons from First Principles, without Supercells. Physical Review Letters, 2019, 122, 246403.	2.9	79
9	Descriptors representing two- and three-body atomic distributions and their effects on the accuracy of machine-learned inter-atomic potentials. Journal of Chemical Physics, 2020, 152, 234102.	1.2	71
10	Thermal transport and phase transitions of zirconia by on-the-fly machine-learned interatomic potentials. Npj Computational Materials, 2021, 7, .	3.5	57
11	Crossover from lattice to plasmonic polarons of a spin-polarised electron gas in ferromagnetic EuO. Nature Communications, 2018, 9, 2305.	5.8	31
12	Electron-plasmon and electron-phonon satellites in the angle-resolved photoelectron spectra of $n$ -doped anatase $\text{TiO}_2$ . Physical Review B, 2018, 97, .	1.1	27
13	$\hat{I} \pm \hat{I}^2$ phase transition of zirconium predicted by on-the-fly machine-learned force field. Physical Review Materials, 2021, 5, .	0.9	21
14	Phase transitions of zirconia: Machine-learned force fields beyond density functional theory. Physical Review B, 2022, 105, .	1.1	21
15	Electron-polaron dichotomy of charge carriers in perovskite oxides. Communications Physics, 2020, 3, .	2.0	19
16	Alignment of energy levels in dye/semiconductor interfaces by $G$ $W$ effects due to coadsorption of solvent molecules. Physical Review B, 2014, 90, .	1.1	18
17	First-principles hydration free energies of oxygenated species at water-platinum interfaces. Journal of Chemical Physics, 2021, 154, 094107.	1.2	11
18	Many-body Green's function approaches to the doped Fröhlich solid: Exact solutions and anomalous mass enhancement. Physical Review B, 2022, 105, .	1.1	4

#	ARTICLE	IF	CITATIONS
19	Many-Body Calculations of Plasmon and Phonon Satellites in Angle-Resolved Photoelectron Spectra Using the Cumulant Expansion Approach. , 2020, , 341-365.		1
20	Many-Body Calculations of Plasmon and Phonon Satellites in Angle-Resolved Photoelectron Spectra Using the Cumulant Expansion Approach. , 2018, , 1-25.		0