

# Ana Maria Valencia

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

349  
citations

933447

10  
h-index

839539

18  
g-index

23  
all docs

23  
docs citations

23  
times ranked

378  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single vacancy defect in graphene: Insights into its magnetic properties from theoretical modeling. <i>Physical Review B</i> , 2017, 96, .	3.2	60
2	Quantitative Analysis of Doping-Induced Polarons and Charge-Transfer Complexes of Poly(3-hexylthiophene) in Solution. <i>Journal of Physical Chemistry B</i> , 2020, 124, 7694-7708.	2.6	47
3	Electronic and Optical Properties of Oligothiophene-F4TCNQ Charge-Transfer Complexes: The Role of the Donor Conjugation Length. <i>Journal of Physical Chemistry C</i> , 2019, 123, 9617-9623.	3.1	36
4	The optical signatures of molecular-doping induced polarons in poly(3-hexylthiophene-2,5-diyl): individual polymer chains versus aggregates. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2870-2879.	5.5	32
5	Understanding real-time time-dependent density-functional theory simulations of ultrafast laser-induced dynamics in organic molecules. <i>Journal of Chemical Physics</i> , 2020, 153, 054106.	3.0	25
6	Understanding the evolution of the Raman spectra of molecularly p-doped poly(3-hexylthiophene-2,5-diyl): signatures of polarons and bipolarons. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 3109-3118.	2.8	21
7	Ab initio modelling of local interfaces in doped organic semiconductors. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3527-3538.	2.8	19
8	Photophysics of Charge Transfer Complexes Formed by Tetracene and Strong Acceptors. <i>Journal of Physical Chemistry C</i> , 2021, 125, 6313-6323.	3.1	15
9	Ultrafast charge transfer and vibronic coupling in a laser-excited hybrid inorganic/organic interface. <i>Advances in Physics: X</i> , 2020, 5, 1749883.	4.1	12
10	Optical Fingerprints of Polynuclear Complexes in Lead Halide Perovskite Precursor Solutions. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2299-2305.	4.6	12
11	Permanent Dipole Moments Enhance Electronic Coupling and Singlet Fission in Pentacene. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7453-7458.	4.6	9
12	Long-Range Order Promotes Charge-Transfer Excitations in Donor/Acceptor Co-Crystals. <i>Journal of Physical Chemistry C</i> , 2021, 125, 20821-20830.	3.1	9
13	Exploring organic semiconductors in solution: the effects of solvation, alkylation, and doping. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 4841-4855.	2.8	9
14	Microscopic Insight into the Electronic Structure of BCF-Doped Oligothiophenes from Ab Initio Many-Body Theory. <i>Journal of Physical Chemistry C</i> , 2020, 124, 14363-14370.	3.1	7
15	Molecular Charge Transfer Effects on Perylene Diimide Acceptor and Dinaphthothienothiophene Donor Systems. <i>Journal of Physical Chemistry C</i> , 2022, 126, 4188-4198.	3.1	7
16	A charged particle in a magnetic field: a review of two formalisms of coherent states and the Husimi function. <i>European Journal of Physics</i> , 2008, 29, 439-449.	0.6	5
17	Polarization Resolved Optical Excitation of Charge-Transfer Excitons in PEN:PF6 CocrySTALLINE Films: Limits of Nonperiodic Modeling. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9899-9905.	4.6	5
18	In situ functionalization of graphene. <i>2D Materials</i> , 2021, 8, 015022.	4.4	5

#	ARTICLE	IF	CITATIONS
19	Impact of Polarity on Anisotropic Diffusion of Conjugated Organic Molecules on the (101̄...0) Zinc Oxide Surface. Journal of Physical Chemistry C, 2019, 123, 6549-6559.	3.1	4
20	Donors, acceptors, and a bit of aromatics: electronic interactions of molecular adsorbates on hBN and MoS <sub>2</sub> monolayers. Physical Chemistry Chemical Physics, 2022, 24, 16671-16679.	2.8	4
21	First-principles analysis of the optical properties of lead halide perovskite solution precursors. Physical Chemistry Chemical Physics, 2021, 23, 21087-21096.	2.8	3
22	Formation of Lead Halide Perovskite Precursors in Solution: Insight from Electronic Structure Theory. Physica Status Solidi (B): Basic Research, 2021, 258, 2100359.	1.5	3
23	Interfacial Electric Fields Acting on Molecules at Solid Interfaces. Journal of Physical Chemistry C, 2022, 126, 6028-6035.	3.1	0