

Felipe Herrera

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,179
citations

759233

12
h-index

677142

22
g-index

30
all docs

30
docs citations

30
times ranked

898
citing authors

#	ARTICLE	IF	CITATIONS
1	Semi-empirical quantum optics for mid-infrared molecular nanophotonics. Journal of Chemical Physics, 2022, 156, 124110.	3.0	8
2	Disordered ensembles of strongly coupled single-molecule plasmonic picocavities as nonlinear optical metamaterials. Journal of Chemical Physics, 2022, 156, 114702.	3.0	8
3	Anisotropic Band-Edge Absorption of Millimeter-Sized Zn(3-ptz) ₂ Single-Crystal Metal-Organic Frameworks. ACS Omega, 2022, 7, 24432-24437.	3.5	3
4	Engineering entangled photon pairs with metal-organic frameworks. Chemical Science, 2021, 12, 3475-3482.	7.4	9
5	Millimeter-Scale Zn(3-ptz) ₂ Metal-Organic Framework Single Crystals: Self-Assembly Mechanism and Growth Kinetics. ACS Omega, 2021, 6, 17289-17298.	3.5	8
6	Excited-state vibration-polariton transitions and dynamics in nitroprusside. Nature Communications, 2021, 12, 214.	12.8	51
7	The shape of the electric dipole function determines the sub-picosecond dynamics of anharmonic vibrational polaritons. Journal of Chemical Physics, 2020, 152, 234111.	3.0	31
8	Molecular polaritons for controlling chemistry with quantum optics. Journal of Chemical Physics, 2020, 152, 100902.	3.0	186
9	C6 coefficients for interacting Rydberg atoms and alkali-metal dimers. Physical Review A, 2020, 101, .	2.5	5
10	Multi-level quantum Rabi model for anharmonic vibrational polaritons. Journal of Chemical Physics, 2019, 151, 144116.	3.0	51
11	An instrument-free demonstration of quantum key distribution for high-school students. Physics Education, 2019, 54, 065006.	0.5	0
12	Azide-Based High-Energy Metal-Organic Frameworks with Enhanced Thermal Stability. ACS Omega, 2019, 4, 14398-14403.	3.5	10
13	Correlative Dark-Field and Photoluminescence Spectroscopy of Individual Plasmon-Molecule Hybrid Nanostructures in a Strong Coupling Regime. ACS Photonics, 2019, 6, 2570-2576.	6.6	33
14	Controlled Growth of the Noncentrosymmetric Zn(3-ptz) ₂ and Zn(OH)(3-ptz) Metal-Organic Frameworks. ACS Omega, 2019, 4, 7411-7419.	3.5	9
15	Vacuum-enhanced optical nonlinearities with disordered molecular photoswitches. Physical Review B, 2019, 99, .	3.2	8
16	pH-Controlled Assembly of 3D and 2D Zinc-Based Metal-Organic Frameworks with Tetrazole Ligands. ACS Omega, 2018, 3, 801-807.	3.5	23
17	Theory of Nanoscale Organic Cavities: The Essential Role of Vibration-Photon Dressed States. ACS Photonics, 2018, 5, 65-79.	6.6	88
18	Hexaaquazinc(II) dinitrate bis[5-(pyridinium-3-yl)tetrazol-1-ide]. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 1231-1234.	0.5	1

#	ARTICLE	IF	CITATIONS
19	Absorption and photoluminescence in organic cavity QED. <i>Physical Review A</i> , 2017, 95, .	2.5	84
20	Dark Vibronic Polaritons and the Spectroscopy of Organic Microcavities. <i>Physical Review Letters</i> , 2017, 118, 223601.	7.8	96
21	Cavity-Controlled Chemistry in Molecular Ensembles. <i>Physical Review Letters</i> , 2016, 116, 238301.	7.8	406
22	Efficient photon triplet generation in integrated nanophotonic waveguides. <i>Optics Express</i> , 2016, 24, 9932.	3.4	23
23	Quantum Nonlinear Optics with Polar J-Aggregates in Microcavities. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3708-3715.	4.6	34