

# Felipe Herrera

## List of Publications by Year in descending order

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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	Cavity-Controlled Chemistry in Molecular Ensembles. <i>Physical Review Letters</i> , 2016, 116, 238301.	7.8	406
2	Molecular polaritons for controlling chemistry with quantum optics. <i>Journal of Chemical Physics</i> , 2020, 152, 100902.	3.0	186
3	Dark Vibronic Polaritons and the Spectroscopy of Organic Microcavities. <i>Physical Review Letters</i> , 2017, 118, 223601.	7.8	96
4	Theory of Nanoscale Organic Cavities: The Essential Role of Vibration-Photon Dressed States. <i>ACS Photonics</i> , 2018, 5, 65-79.	6.6	88
5	Absorption and photoluminescence in organic cavity QED. <i>Physical Review A</i> , 2017, 95, .	2.5	84
6	Multi-level quantum Rabi model for anharmonic vibrational polaritons. <i>Journal of Chemical Physics</i> , 2019, 151, 144116.	3.0	51
7	Excited-state vibration-polariton transitions and dynamics in nitroprusside. <i>Nature Communications</i> , 2021, 12, 214.	12.8	51
8	Quantum Nonlinear Optics with Polar J-Aggregates in Microcavities. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3708-3715.	4.6	34
9	Correlative Dark-Field and Photoluminescence Spectroscopy of Individual Plasmon-Molecule Hybrid Nanostructures in a Strong Coupling Regime. <i>ACS Photonics</i> , 2019, 6, 2570-2576.	6.6	33
10	The shape of the electric dipole function determines the sub-picosecond dynamics of anharmonic vibrational polaritons. <i>Journal of Chemical Physics</i> , 2020, 152, 234111.	3.0	31
11	Efficient photon triplet generation in integrated nanophotonic waveguides. <i>Optics Express</i> , 2016, 24, 9932.	3.4	23
12	pH-Controlled Assembly of 3D and 2D Zinc-Based Metal-Organic Frameworks with Tetrazole Ligands. <i>ACS Omega</i> , 2018, 3, 801-807.	3.5	23
13	Azide-Based High-Energy Metal-Organic Frameworks with Enhanced Thermal Stability. <i>ACS Omega</i> , 2019, 4, 14398-14403.	3.5	10
14	Controlled Growth of the Noncentrosymmetric Zn(3-ptz) <sub>2</sub> and Zn(OH)(3-ptz) Metal-Organic Frameworks. <i>ACS Omega</i> , 2019, 4, 7411-7419.	3.5	9
15	Engineering entangled photon pairs with metal-organic frameworks. <i>Chemical Science</i> , 2021, 12, 3475-3482.	7.4	9
16	Vacuum-enhanced optical nonlinearities with disordered molecular photoswitches. <i>Physical Review B</i> , 2019, 99, .	3.2	8
17	Millimeter-Scale Zn(3-ptz) <sub>2</sub> Metal-Organic Framework Single Crystals: Self-Assembly Mechanism and Growth Kinetics. <i>ACS Omega</i> , 2021, 6, 17289-17298.	3.5	8
18	Semi-empirical quantum optics for mid-infrared molecular nanophotonics. <i>Journal of Chemical Physics</i> , 2022, 156, 124110.	3.0	8

#	ARTICLE	IF	CITATIONS
19	Disordered ensembles of strongly coupled single-molecule plasmonic picocavities as nonlinear optical metamaterials. <i>Journal of Chemical Physics</i> , 2022, 156, 114702.	3.0	8
20	C6 coefficients for interacting Rydberg atoms and alkali-metal dimers. <i>Physical Review A</i> , 2020, 101, .	2.5	5
21	Anisotropic Band-Edge Absorption of Millimeter-Sized Zn(3-ptz) <sub>2</sub> Single-Crystal Metal-Organic Frameworks. <i>ACS Omega</i> , 2022, 7, 24432-24437.	3.5	3
22	Hexaaquazinc(II) dinitrate bis[5-(pyridinium-3-yl)tetrazol-1-ide]. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2018, 74, 1231-1234.	0.5	1
23	An instrument-free demonstration of quantum key distribution for high-school students. <i>Physics Education</i> , 2019, 54, 065006.	0.5	0