

# Rui Guo

## List of Publications by Year in descending order

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28  
papers

1,034  
citations

567281

15  
h-index

526287

27  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1267  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal Structure and Twisted Aggregates of Oxcarbazepine Form III. <i>Crystal Growth and Design</i> , 2022, 22, 4146-4156.	3.0	2
2	Toward Physics-Based Solubility Computation for Pharmaceuticals to Rival Informatics. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 3700-3709.	5.3	15
3	On the Application of Strong Magnetic Fields during Organic Crystal Growth. <i>Crystal Growth and Design</i> , 2021, 21, 6254-6265.	3.0	2
4	Color Differences Highlight Concomitant Polymorphism of Chalcones. <i>Crystal Growth and Design</i> , 2020, 20, 6346-6355.	3.0	9
5	Reversible, Two-Step Single-Crystal to Single-Crystal Phase Transitions between Desloratadine Forms I, II, and III. <i>Crystal Growth and Design</i> , 2020, 20, 1800-1810.	3.0	20
6	Calculation of Diamagnetic Susceptibility Tensors of Organic Crystals: From Coronene to Pharmaceutical Polymorphs. <i>Journal of Physical Chemistry A</i> , 2020, 124, 1409-1420.	2.5	8
7	Diabat method for polymorph free energies: Extension to molecular crystals. <i>Journal of Chemical Physics</i> , 2020, 153, 244105.	3.0	1
8	The (Current) Acridine Solid Form Landscape: Eight Polymorphs and a Hydrate. <i>Crystal Growth and Design</i> , 2019, 19, 4884-4893.	3.0	16
9	Detection of Drug Binding to a Target Protein Using EVV 2DIR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2019, 123, 3598-3606.	2.6	9
10	Crystal structure evaluation: calculating relative stabilities and other criteria: general discussion. <i>Faraday Discussions</i> , 2018, 211, 325-381.	3.2	7
11	Serendipitous isolation of a disappearing conformational polymorph of succinic acid challenges computational polymorph prediction. <i>CrystEngComm</i> , 2018, 20, 3971-3977.	2.6	19
12	Successful Computationally Directed Templating of Metastable Pharmaceutical Polymorphs. <i>Crystal Growth and Design</i> , 2018, 18, 5322-5331.	3.0	52
13	Are Oxygen and Sulfur Atoms Structurally Equivalent in Organic Crystals?. <i>Crystal Growth and Design</i> , 2017, 17, 827-833.	3.0	35
14	Direct Observation of Templated Two-Step Nucleation Mechanism during Olanzapine Hydrate Formation. <i>Crystal Growth and Design</i> , 2017, 17, 6382-6393.	3.0	41
15	Unraveling Complexity in the Solid Form Screening of a Pharmaceutical Salt: Why so Many Forms? Why so Few?. <i>Crystal Growth and Design</i> , 2017, 17, 5349-5365.	3.0	33
16	Isomorphous template induced crystallisation: a robust method for the targeted crystallisation of computationally predicted metastable polymorphs. <i>Chemical Communications</i> , 2016, 52, 7384-7386.	4.1	57
17	Report on the sixth blind test of organic crystal structure prediction methods. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2016, 72, 439-459.	1.1	445
18	Concomitant conformational dimorphism in 1,2-bis(9-anthryl)acetylene. <i>CrystEngComm</i> , 2015, 17, 4877-4882.	2.6	10

#	ARTICLE	IF	CITATIONS
19	Identification and Relative Quantification of Tyrosine Nitration in a Model Peptide Using Two-Dimensional Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2014, 118, 12855-12864.	2.6	16
20	Geometry determination of complexes in a molecular liquid mixture using electron-vibration-vibration two-dimensional infrared spectroscopy with a vibrational transition density cube method. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14023.	2.8	13
21	Potential for the detection of molecular complexes and determination of interaction geometry by 2DIR: Application to protein sciences. <i>Faraday Discussions</i> , 2011, 150, 161.	3.2	7
22	Detection of Molecular Complex Formation and Direct Determination of Intermolecular Interaction Geometries by a Hybrid Raman-Infrared Multidimensional Coherent Spectroscopy: Implications for High Throughput Biology. , 2010, , .		0
23	Biological and Biomedical Applications of Two-Dimensional Vibrational Spectroscopy: Proteomics, Imaging, and Structural Analysis. <i>Accounts of Chemical Research</i> , 2009, 42, 1322-1331.	15.6	53
24	Detection of complex formation and determination of intermolecular geometry through electrical anharmonic coupling of molecular vibrations using electron-vibration-vibration two-dimensional infrared spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 8417.	2.8	27
25	Optical fingerprinting of peptides using two-dimensional infrared spectroscopy: Proof of principle. <i>Analytical Biochemistry</i> , 2008, 374, 358-365.	2.4	31
26	Decongestion of methylene spectra in biological and non-biological systems using picosecond 2DIR spectroscopy measuring electron-vibration-vibration coupling. <i>Chemical Physics</i> , 2008, 350, 201-211.	1.9	23
27	Protein identification and quantification by two-dimensional infrared spectroscopy: Implications for an all-optical proteomic platform. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 15352-15357.	7.1	50
28	Direct identification and decongestion of Fermi resonances by control of pulse time ordering in two-dimensional IR spectroscopy. <i>Journal of Chemical Physics</i> , 2007, 127, 114513.	3.0	33