

Tomasz Seidler

List of Publications by Year in descending order

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20
papers

340
citations

840776

11
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794594

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docs citations

21
times ranked

377
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of the Linear and Second-Order NLO Properties of Molecular Crystals within the Local Field Theory: Electron Correlation Effects, Choice of XC Functional, ZPVA Contributions, and Impact of the Geometry in the Case of 2-Methyl-4-nitroaniline. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 2114-2124.	5.3	51
2	Linear and second-order nonlinear optical properties of ionic organic crystals. <i>Journal of Chemical Physics</i> , 2014, 141, 104109.	3.0	39
3	Investigation of the linear and second-order nonlinear optical properties of molecular crystals within the local field theory. <i>Journal of Chemical Physics</i> , 2013, 139, 114105.	3.0	38
4	Second-Order Nonlinear Optical Susceptibilities and Refractive Indices of Organic Crystals from a Multiscale Numerical Simulation Approach. <i>Advanced Optical Materials</i> , 2014, 2, 1000-1006.	7.3	34
5	QTAIM-Based Scheme for Describing the Linear and Nonlinear Optical Susceptibilities of Molecular Crystals Composed of Molecules with Complex Shapes. <i>Journal of Physical Chemistry C</i> , 2016, 120, 4481-4494.	3.1	30
6	Crystals of 2-Amino-5-Nitropyridine Barbitol with Extreme Birefringence and Large Second Harmonic Generation Effect. <i>Chemistry - A European Journal</i> , 2018, 24, 8727-8731.	3.3	24
7	Which charge definition for describing the crystal polarizing field and the $\chi^{(1)}$ and $\chi^{(2)}$ of organic crystals?. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 19546-19556.	2.8	21
8	Emergence of Nonlinear Optical Activity by Incorporation of a Linker Carrying the <i>p</i> -Nitroaniline Motif in MIL-53 Frameworks. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25509-25519.	3.1	20
9	Second-Order Nonlinear Optical Susceptibilities of Metal-Organic Frameworks Using a Combined Local Field Theory/Charge Embedding Electrostatic Scheme. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6741-6749.	3.1	19
10	Mechanisms of reactions conducted on α -amido- β -aminonitriles, determined based on the structures of their crystalline products and DFT calculations. <i>New Journal of Chemistry</i> , 2010, 34, 2220.	2.8	14
11	Crystal engineering, optical properties and electron density distribution of polar multicomponent materials containing sulfanilamide. <i>CrystEngComm</i> , 2018, 20, 3638-3646.	2.6	11
12	Lung surfactant monolayer – A good natural barrier against dibenzo-p-dioxins. <i>Chemosphere</i> , 2020, 240, 124850.	8.2	7
13	Effect of Substituent Exchange on Optical Anisotropy in Multicomponent Isostructural Materials Containing Sulfathiazole and 2-Aminopyridine Derivatives. <i>Crystal Growth and Design</i> , 2020, 20, 6535-6544.	3.0	7
14	Crystal Structure and (Non)linear Optical Properties of a Cyanuric Acid Isoniazid & Co-crystal: Shortcomings of Phase Matching Determination from Powdered Samples. <i>Crystal Growth and Design</i> , 2019, 19, 6831-6836.	3.0	6
15	Origin of chromic effects and crystal-to-crystal phase transition in the polymorphs of tyraminium violurate. <i>IUCr</i> , 2019, 6, 226-237.	2.2	5
16	N-(5-Nitropyridin-2-yl)-5H-dibenzo[d,f][1,3]diazepine-6-carboxamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o1507-o1507.	0.2	4
17	Polar and Helical Isomorphous Crystals of Proline Derivatives: Influence of a Fluorine Atom on the Electric Susceptibility. <i>Chemistry Africa</i> , 2021, 4, 553-562.	2.4	1
18	Dimethylaniline-Based Hybrid Compounds of Cadmium Diiodide: Synthesis, Crystal Structure, and Physical Properties. <i>Crystal Growth and Design</i> , 2022, 22, 4182-4191.	3.0	1

#	ARTICLE	IF	CITATIONS
19	Frontispiece: Co-Crystals of 2-Amino-5-Nitropyridine Barbitol with Extreme Birefringence and Large Second Harmonic Generation Effect. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	0
20	Investigation of polar crystalline materials containing hydrochlorothiazide: electron density distribution and optical properties. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2021, 77, 965-973.	1.1	0