

Naba K Nath

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8345314/publications.pdf>

Version: 2024-02-01

36
papers

2,709
citations

304743

22
h-index

345221

36
g-index

36
all docs

36
docs citations

36
times ranked

2453
citing authors

#	ARTICLE	IF	CITATIONS
1	Photomechanical response of sulfonylhydrazone molecular crystals. <i>CrystEngComm</i> , 2021, 23, 4910-4916.	2.6	10
2	Organic Molecular Crystals with Dual Stress-Induced Mechanical Response: Elastic and Plastic Flexibility. <i>Crystal Growth and Design</i> , 2021, 21, 1931-1938.	3.0	32
3	Mechanical Flexibility of Molecular Crystals Achieved by Exchanging Hydrogen Bonding Synthons. <i>Crystal Growth and Design</i> , 2020, 20, 2847-2852.	3.0	12
4	Plastically Deformable and Exfoliating Molecular Crystals of a 2-D Coordination Polymer and Its Ligand. <i>Crystal Growth and Design</i> , 2019, 19, 6033-6038.	3.0	14
5	Crystalline Acylhydrazone Photoswitches with Multiple Mechanical Responses. <i>Crystal Growth and Design</i> , 2019, 19, 3039-3044.	3.0	53
6	The Nature and Applications of π - π Interactions: A Perspective. <i>Crystal Growth and Design</i> , 2019, 19, 523-528.	3.0	237
7	Mechanochemical Synthesis of Olanzapine Salts and Their Hydration Stability Study Using Powder X-ray Diffraction. <i>Crystal Growth and Design</i> , 2018, 18, 2138-2150.	3.0	27
8	Plastically bendable crystals of probenecid and its cocrystal with 4,4'-Bipyridine. <i>Journal of Molecular Structure</i> , 2018, 1160, 20-25.	3.6	20
9	Synthesis and characterization of two dioxidomolybdenum(VI) complexes bearing amidinato and pyrazolato ligands and their use in thin film growth and oxygen atom transfer reactions. <i>Polyhedron</i> , 2018, 147, 36-41.	2.2	3
10	Thermally Twistable, Photobendable, Elastically Deformable, and Self-Healable Soft Crystals. <i>Angewandte Chemie</i> , 2018, 130, 8634-8638.	2.0	50
11	Thermally Twistable, Photobendable, Elastically Deformable, and Self-Healable Soft Crystals. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8498-8502.	13.8	154
12	The Light Emitter of the 2-Coumarone Chemiluminescence: Theoretical and Experimental Elucidation of a Possible Model for Bioluminescent Systems. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 678-681.	2.4	22
13	Single-Crystal-to-Single-Crystal Transition in an Enantiopure [7]Helquat Salt: The First Observation of a Reversible Phase Transition in a Helicene-Like Compound. <i>Chemistry - A European Journal</i> , 2015, 21, 13508-13512.	3.3	7
14	Structure-Reactivity Correlations and Mechanistic Understanding of the Photorearrangement and Photosolvent Effect of \pm -Santonin and Its Derivatives in Solutions, Crystals, and Nanocrystalline Suspensions. <i>Crystal Growth and Design</i> , 2015, 15, 1983-1990.	3.0	53
15	Surface and Bulk Effects in Photochemical Reactions and Photomechanical Effects in Dynamic Molecular Crystals. <i>Journal of the American Chemical Society</i> , 2015, 137, 13866-13875.	13.7	109
16	Mechanically Responsive Molecular Crystals. <i>Chemical Reviews</i> , 2015, 115, 12440-12490.	47.7	678
17	In situ crystallization and crystal structure determination of chlorobenzene. <i>Macedonian Journal of Chemistry and Chemical Engineering</i> , 2015, 34, 63.	0.6	5
18	Structural Elucidation of the Neuraminidase Inhibitor Zanamivir (Relenza): Creeping and Diffusion for Polymorph Separation. <i>Crystal Growth and Design</i> , 2014, 14, 770-774.	3.0	3

#	ARTICLE	IF	CITATIONS
19	Actuation based on thermo/photosalient effect: a biogenic smart hybrid driven by light and heat. RSC Advances, 2014, 4, 7640-7647.	3.6	58
20	Model for Photoinduced Bending of Slender Molecular Crystals. Journal of the American Chemical Society, 2014, 136, 2757-2766.	13.7	180
21	Thermally induced and photoinduced mechanical effects in molecular single crystals—a revival. CrystEngComm, 2014, 16, 1850.	2.6	206
22	Colossal positive and negative thermal expansion and thermosalient effect in a pentamorphic organometallic martensite. Nature Communications, 2014, 5, 4811.	12.8	168
23	Polymorphism and isostructurality in sulfonylhydrazones. CrystEngComm, 2014, 16, 4681-4690.	2.6	24
24	Biomimetic Crystalline Actuators: Structure—Kinematic Aspects of the Self-Actuation and Motility of Thermosalient Crystals. Journal of the American Chemical Society, 2013, 135, 12241-12251.	13.7	155
25	Temozolomide hydrochloride dihydrate. CrystEngComm, 2013, 15, 666-671.	2.6	17
26	Visible-Light-Induced Photodimerization of a Photoactive Yellow Protein (PYP) Chromophore Model in a Single Crystal. Chemistry - A European Journal, 2013, 19, 8094-8099.	3.3	6
27	Isomorphous Crystals by Chloro—Methyl Exchange in Polymorphic Fuchsones. Crystal Growth and Design, 2012, 12, 5411-5425.	3.0	46
28	Chiral and Racemic Tetramorphs of 2,6-Di- <i>t</i> -Butylditolylfuchsones. Crystal Growth and Design, 2012, 12, 1613-1625.	3.0	14
29	Novel form V of tolbutamide and a high Z ² crystal structure of form III. CrystEngComm, 2011, 13, 47-51.	2.6	36
30	Crystal Structure of Methyl Paraben Polymorph II. Crystal Growth and Design, 2011, 11, 967-971.	3.0	21
31	Neutral and Zwitterionic Polymorphs of 2-(<i>p</i> -Tolylamino)nicotinic Acid. Crystal Growth and Design, 2011, 11, 4594-4605.	3.0	27
32	Crystal structures of mirtazapine molecular salts. CrystEngComm, 2011, 13, 3232.	2.6	23
33	N—H—N(pyridyl) and N—H—O(urea) hydrogen bonding and molecular conformation of N-aryl-N ² -pyridylureas. Journal of Molecular Structure, 2010, 968, 99-107.	3.6	12
34	Synthon Competition and Cooperation in Molecular Salts of Hydroxybenzoic Acids and Aminopyridines. Crystal Growth and Design, 2009, 9, 1546-1557.	3.0	163
35	Isostructural polymorphs of triiodophloroglucinol and triiodoresorcinol. New Journal of Chemistry, 2008, 32, 1693.	2.8	34
36	Polymorphism in Fuchsones. Crystal Growth and Design, 2008, 8, 140-154.	3.0	30