

Anna M Makal

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2087211/publications.pdf>

Version: 2024-02-01

96
papers

1,699
citations

257357

24
h-index

330025

37
g-index

100
all docs

100
docs citations

100
times ranked

2058
citing authors

#	ARTICLE	IF	CITATIONS
1	Helical phases assembled from achiral molecules: Twist-bend nematic and helical filamentary B4 phases formed by mesogenic dimers. <i>Journal of Molecular Liquids</i> , 2022, 346, 118180.	2.3	11
2	Impact of the ferrocenyl group on cytotoxicity and KSP inhibitory activity of ferrocenyl monastrol conjugates. <i>Dalton Transactions</i> , 2022, 51, 491-508.	1.6	6
3	Highly Fluorescent Dyes Containing Conformationally Restrained Pyrazolopyrene (Pyrazoolympicene) Chromophore. <i>Molecules</i> , 2022, 27, 1272.	1.7	0
4	Electrophile-Dependent Reactivity of Lithiated N-Benzylpyrene-1-Carboxamide. <i>Molecules</i> , 2022, 27, 3930.	1.7	0
5	Intrinsically chiral ferronematic liquid crystals: An inversion of the helical twist sense at the chiral nematic \rightarrow Chiral ferronematic phase transition. <i>Journal of Molecular Liquids</i> , 2022, 361, 119532.	2.3	30
6	Twist-Bend Nematic Glasses: The Synthesis and Characterisation of Pyrene-based Nonsymmetric Dimers. <i>ChemPhysChem</i> , 2021, 22, 461-470.	1.0	29
7	Multi-Directional Mechanofluorochromism of Acetyl Pyrenes and Pyrenyl Ynones. <i>ChemPhysChem</i> , 2021, 22, 1638-1644.	1.0	6
8	Three new polymorphs of 1,8-diacetylpyrene: a material with packing-dependent luminescence properties and a testbed for crystal structure prediction. <i>Journal of Materials Chemistry C</i> , 2021, 9, 2491-2503.	2.7	6
9	Maximizing completeness in single-crystal high-pressure diffraction experiments: phase transitions in 2Å ³ AP. <i>IUCrJ</i> , 2021, 8, 1006-1017.	1.0	4
10	Multiple Polar and Non-polar Nematic Phases. <i>ChemPhysChem</i> , 2021, 22, 2506-2510.	1.0	62
11	Metal-Dependent Cytotoxic and Kinesin Spindle Protein Inhibitory Activity of Ru, Os, Rh, and Ir Half-Sandwich Complexes of Ispinesib-Derived Ligands. <i>Inorganic Chemistry</i> , 2020, 59, 14879-14890.	1.9	11
12	Triflic Acid-Promoted Adamantylation and <i>tert</i> -Butylation of Pyrene: Fluorescent Properties of Pyrene-Decorated Adamantanes and a Channeled Crystal Structure of 1,3,5-Tris(pyren-2-yl)adamantane. <i>Journal of Organic Chemistry</i> , 2020, 85, 11134-11139.	1.7	10
13	Experimental charge density of ferrocenyl derivative of β -lactam. <i>Journal of Molecular Structure</i> , 2020, 1217, 128274.	1.8	3
14	Experimental charge density of grossular under pressure – a feasibility study. <i>IUCrJ</i> , 2020, 7, 383-392.	1.0	12
15	Polymorphism and resulting luminescence properties of 1-acetylpyrene. <i>CrystEngComm</i> , 2019, 21, 5845-5852.	1.3	7
16	The Impact of Crystal Packing and Auophilic Interactions on the Luminescence Properties in Polymorphs and Solvate of Aroylacetylde-Gold(I) Complexes. <i>Chemistry - A European Journal</i> , 2019, 25, 13131-13145.	1.7	17
17	Differences and similarities among hypoxanthinium nitrate hydrate structures. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019, 75, 1036-1044.	0.2	3
18	Crystal morphology fixed by interplay of π -stacking and hydrogen bonds – the case of 1-hydroxypyrene. <i>CrystEngComm</i> , 2019, 21, 1701-1717.	1.3	5

#	ARTICLE	IF	CITATIONS
19	Structure and piezochromism of pyrene-1-carbaldehyde at high pressure. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 343-353.	0.5	7
20	Pressure-Dependent Structural and Luminescence Properties of 1-(Pyren-1-yl)but-2-yn-1-one. <i>Molecules</i> , 2019, 24, 1107.	1.7	4
21	Successful experimental quantitative charge-density feasibility study of grossular under high pressure. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, a188-a188.	0.0	0
22	Examination of the intermolecular aurophilic interactions in the crystals of the (ArCOC=C)(PEt ₃)Au and [(ArCOC=C) ₂ Au]•[Au(PEt ₃) ₂] ⁺ complexes. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, e504-e504.	0.0	0
23	Triethylphosphine as a molecular gear " phase transitions in ferrocenyl"acetylide"gold(I). <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, e473-e473.	0.0	0
24	Experimental charge-density distribution in grossular under high pressure " a feasibility study. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, e260-e260.	0.0	0
25	Filling the gaps: what new polymorphs of acetylpyrene tell us about the fluorescence of pyrene derivatives. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, e576-e576.	0.0	0
26	Pyrenylpyrazole-based donor/acceptor fluorescent dyes: Synthesis and photophysical properties. <i>Dyes and Pigments</i> , 2018, 154, 52-61.	2.0	14
27	(Ar"CO"Cl,C)(PEt ₃) ₃ Au and (Ar"Cl,C)(PEt ₃) ₃ Au complexes bearing pyrenyl and ferrocenyl groups: synthesis, structure, and luminescence properties. <i>Dalton Transactions</i> , 2018, 47, 6702-6712.	1.6	5
28	Polycyclic Aromatic N-Ethoxycarbonyl Thioamide S-Oxides and Their Triflic Acid Promoted Cyclization to Fluorescent Thiophene Imine-Fused Arenes. <i>Journal of Organic Chemistry</i> , 2018, 83, 1933-1939.	1.7	9
29	<i>DiSCaMB</i> : a software library for aspherical atom model X-ray scattering factor calculations with CPUs and GPUs. <i>Journal of Applied Crystallography</i> , 2018, 51, 193-199.	1.9	24
30	Double helical structure of the twist-bend nematic phase investigated by resonant X-ray scattering at the carbon and sulfur K-edges. <i>Soft Matter</i> , 2018, 14, 9760-9763.	1.2	26
31	Functionalization of the "Bay Region" of Perylene in Reaction with 1-Arylalk-2-yn-1-ones Catalyzed by Trifluoromethanesulfonic Acid: One-Step Approach to 1-Acyl-2-alkylbenzo[ghi]perylene. <i>Journal of Organic Chemistry</i> , 2018, 83, 14165-14174.	1.7	7
32	Doxycycline hydrate and doxycycline hydrochloride dihydrate " crystal structure and charge density analysis. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2018, 233, 649-661.	0.4	4
33	Alkylation of the K-Region in a Sterically Hindered Pyrene Carboxamide via Directed Reaction with Alkylolithiums under Air. <i>Journal of Organic Chemistry</i> , 2018, 83, 12793-12797.	1.7	1
34	Triethylphosphine as a molecular gear " phase transitions in ferrocenyl"acetylide"gold(I). <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2018, 74, 427-435.	0.5	3
35	Crystal structure, interaction energies and experimental electron density of the popular drug ketoprofen. <i>IUCr</i> , 2018, 5, 841-853.	1.0	14
36	Crystal structure and reconstruction of charge density of 9-aminoacridine hemihydrate. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, e298-e299.	0.0	0

#	ARTICLE	IF	CITATIONS
37	High-pressure pair distribution function study of amorphous silica in helium. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, e279-e279.	0.0	0
38	Crystal structure and spectroscopic properties of 1-(pyren-1-yl)but-2-yn-1-one under pressure. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, e280-e280.	0.0	0
39	<i>A priori</i> checking of the light-response and data quality before extended data collection in pump-probe photocrystallography experiments. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017, 73, 23-26.	0.5	7
40	Properties and separation method of enantiomers of the mono- and bis-substituted derivatives of 3,3,4,4-tetramethyl-1,1-diphosphaferrocene: structural analysis using X-ray diffraction and circular dichroism. <i>Tetrahedron: Asymmetry</i> , 2017, 28, 135-145.	1.8	2
41	Synthesis and <i>in vitro</i> Biological Evaluation of Ferrocenyl Side-Chain-Functionalized Paclitaxel Derivatives. <i>ChemMedChem</i> , 2017, 12, 1882-1892.	1.6	17
42	Synthesis and evaluation of biological properties of ferrocenyl-podophyllotoxin conjugates. <i>Dalton Transactions</i> , 2017, 46, 10847-10858.	1.6	15
43	Regioselective (thio)carbamoylation of 2,7-di- <i>tert</i> -butylpyrene at the 1-position with iso(thio)cyanates. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 1032-1038.	1.3	6
44	Reinvestigation of hypoxanthinium nitrate monohydrate structure. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C765-C765.	0.0	0
45	Pyrene fluorophores bearing two carbonyl groups in 1,2- positions: Synthesis and photophysical properties of pyrene-1,2-dicarboximides and a pyrene-1,2-dicarboxamide. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 330, 15-21.	2.0	4
46	Direct Synthesis of Perylene-Fused Cyclic Ketones from Perylene and α -Alkenoic Acids. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 4215-4223.	1.2	2
47	Ferrocene-Biotin Conjugates: Synthesis, Structure, Cytotoxic Activity and Interaction with Avidin. <i>ChemPlusChem</i> , 2016, 81, 1191-1201.	1.3	9
48	An insight into real and average structure from diffuse X-ray scattering – a case study. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2016, 72, 571-583.	0.5	4
49	Synthesis, regioselective aerobic Pd(ii)-catalyzed C-H bond alkenylation and the photophysical properties of pyrenylphenylpyrazoles. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 580-588.	1.6	6
50	Directed lithiation of a pyrene-1-carboxamide as a route to new pyrenyl fluorophores. <i>Dyes and Pigments</i> , 2016, 125, 331-338.	2.0	9
51	Speeding up accurate scattering factors calculation for macromolecules. Algorithms for aspherical atom formalism and direct summation. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2015, 71, s523-s523.	0.0	0
52	Friedel-Crafts-type reaction of pyrene with diethyl 1-(isothiocyanato)alkylphosphonates. Efficient synthesis of highly fluorescent diethyl 1-(pyrene-1-carboxamido)alkylphosphonates and 1-(pyrene-1-carboxamido)methylphosphonic acid. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 2451-2458.	1.3	10
53	Solution- and solid-state emitters with large Stokes shifts combining pyrene and 4-hydroxythiazole fluorophores. <i>Dyes and Pigments</i> , 2015, 121, 290-298.	2.0	13
54	Aerobic Palladium(II)-Catalyzed Dehydrogenative Heck Reaction in the Synthesis of Pyrenyl Fluorophores. A Photophysical Study of I^2 -Pyrenyl Acrylates in Solution and in the Solid State. <i>Journal of Organic Chemistry</i> , 2015, 80, 2573-2581.	1.7	16

#	ARTICLE	IF	CITATIONS
55	Experimental charge density analysis for doxycycline. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2015, 71, s409-s410.	0.0	0
56	A new class of pyrenyl solid-state emitters: 1-pyrenyl ynones. Synthesis via the Friedel-Crafts route, molecular and electronic structure and photophysical properties. <i>RSC Advances</i> , 2014, 4, 31594-31601.	1.7	28
57	Efficient synthesis of pyrene-1-carbothioamides and carboxamides. Tunable solid-state fluorescence of pyrene-1-carboxamides. <i>RSC Advances</i> , 2014, 4, 56003-56012.	1.7	21
58	A novel manganese-doped large polyoxotitanate nanocluster. <i>Dalton Transactions</i> , 2014, 43, 3839-3841.	1.6	31
59	Statistical analysis of multipole-model-derived structural parameters and charge-density properties from high-resolution X-ray diffraction experiments. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2014, 70, 72-91.	0.0	46
60	Synthesis and unusual ring transformation of 1-acyl-3-(ferrocenylmethylidene)-piperazine-2,5-diones. <i>Journal of Organometallic Chemistry</i> , 2013, 745-746, 373-378.	0.8	3
61	Nanosized Alkali-Metal-Doped Ethoxotitanate Clusters. <i>Inorganic Chemistry</i> , 2013, 52, 4750-4752.	1.9	29
62	On the Biexponential Decay of the Photoluminescence of the Two Crystallographically-Independent Molecules in Crystals of $[\text{Cu}(\text{I})(\text{phen})(\text{PPh}_3)_2][\text{BF}_4]$. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 579-582.	2.1	25
63	Restricted Photochemistry in the Molecular Solid State: Structural Changes on Photoexcitation of Cu(I) Phenanthroline Metal-to-Ligand Charge Transfer (MLCT) Complexes by Time-Resolved Diffraction. <i>Journal of Physical Chemistry A</i> , 2012, 116, 3359-3365.	1.1	60
64	Electronic and molecular structures and bulk second-order nonlinear optical properties of ferrocenyl ynones. <i>RSC Advances</i> , 2012, 2, 3512.	1.7	8
65	The LaueUtil toolkit for Laue photocrystallography. II. Spot finding and integration. <i>Journal of Synchrotron Radiation</i> , 2012, 19, 637-646.	1.0	17
66	Time-resolved Laue diffraction of excited species at atomic resolution: 100 ps single-pulse diffraction of the excited state of the organometallic complex $\text{Rh}_2(\text{P}^{\text{1/4}}\text{-PNP})_2(\text{PNP})_2 \cdot \text{BPh}_4$. <i>Chemical Communications</i> , 2011, 47, 1704.	2.2	26
67	Hydrogen bonding in Schiff bases – NMR, structural and experimental charge density studies. <i>Dalton Transactions</i> , 2011, 40, 421-430.	1.6	44
68	Aerobic Fujiwara-Moritani alkenylation and dienylation of ferrocene. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 3499-3506.	0.8	15
69	The LaueUtil toolkit for Laue photocrystallography. I. Rapid orientation matrix determination for intermediate-size-unit-cell Laue data. <i>Journal of Applied Crystallography</i> , 2011, 44, 1182-1189.	1.9	20
70	The development of Laue techniques for single-pulse diffraction of chemical complexes: time-resolved Laue diffraction on a binuclear rhodium metal-organic complex. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2011, 67, 319-326.	0.3	37
71	The Doping Effect of Fluorinated Aromatic Solvents on the Rate of Ruthenium-Catalysed Olefin Metathesis. <i>Chemistry - A European Journal</i> , 2011, 17, 12981-12993.	1.7	79
72	Single-pulse Laue TR diffraction: methods, results and use of QM/MM theory. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2011, 67, C108-C109.	0.3	0

#	ARTICLE	IF	CITATIONS
73	Additional ligand in the Ru coordination sphere of Hoveyda-type catalysts. Part II. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C429-C430.	0.3	0
74	Synthesis, Structure, and Polymerization Activity of Cyclopentadienylnickel(II) N-heterocyclic Carbene Complexes: Selective Cross-Metathesis in Metal Coordination Spheres. European Journal of Inorganic Chemistry, 2010, 2010, 648-656.	1.0	40
75	Studies on Electronic Effects in η^5 - and η^6 -Chelated Ruthenium Olefin-Metathesis Catalysts. Chemistry - A European Journal, 2010, 16, 8726-8737.	1.7	82
76	Organometallic cyclic polyphenols derived from 1,2-(\pm -keto tri or tetra methylene) ferrocene show strong antiproliferative activity on hormone-independent breast cancer cells. Dalton Transactions, 2010, 39, 7444.	1.6	23
77	Experimental Charge Density Analysis of Symmetrically Substituted Ferrocene Derivatives. Inorganic Chemistry, 2010, 49, 4046-4059.	1.9	32
78	Additional ligand in the Ru coordination sphere - the Hoveyda-type catalysts. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, s269-s269.	0.3	0
79	Unusual diastereoselective reduction of 2-propionyl-3,3,4,4-tetramethyl-1,1-diphosphaferrocene to the corresponding alcohol by BH ₃ ·Me ₂ S. X-Ray diffraction and DFT study. New Journal of Chemistry, 2009, 33, 807.	1.4	6
80	The Synthesis, Structure, and FTIR Spectroelectrochemistry of W(CO) ₅ Complexes of 4-oxo-4-(2,5-dimethylazaferrocen-1-yl)butanoic and 5-oxo-5-(2,5-dimethylazaferrocen-1-yl)pentanoic Acid. European Journal of Inorganic Chemistry, 2009, 2009, 4069-4077.	1.0	1
81	The bis(trifluoroacetate) analogue of the first-generation Grubbs catalyst: Synthesis, X-ray structure, and metathesis activity of [Ru(CF ₃ CO ₂)(η -2-CF ₃ CO ₂)(CHPh)(PCy ₃) ₂]. Journal of Organometallic Chemistry, 2009, 694, 3179-3183.	0.8	4
82	Ruthenium Olefin Metathesis Initiators Bearing Chelating Sulfoxide Ligands. Organometallics, 2009, 28, 2693-2700.	1.1	63
83	Synthesis and study of new liquid crystalline compounds with an epoxy group. Liquid Crystals, 2009, 36, 67-73.	0.9	5
84	Is the Hoveyda-Grubbs Complex a Vinylogous Fischer-Type Carbene? Aromaticity-Controlled Activity of Ruthenium Metathesis Catalysts. Chemistry - A European Journal, 2008, 14, 9330-9337.	1.7	60
85	Magnetic phase transitions in ScFe ₄ Al ₈ by powder and single crystal neutron diffraction. Phase Transitions, 2007, 80, 575-586.	0.6	5
86	A Dormant Ruthenium Catalyst Bearing a Chelating Carboxylate Ligand: In-Situ Activation and Application in Metathesis Reactions. Angewandte Chemie - International Edition, 2007, 46, 7206-7209.	7.2	83
87	Probing of the Ligand Anatomy: Effects of the Chelating Alkoxy Ligand Modifications on the Structure and Catalytic Activity of Ruthenium Carbene Complexes. Advanced Synthesis and Catalysis, 2007, 349, 193-203.	2.1	80
88	NMR and X-ray studies of 2,6-bis(alkylimino)phenol Schiff bases. Journal of Molecular Structure, 2007, 844-845, 94-101.	1.8	13
89	New air-stable ruthenium olefin metathesis precatalysts derived from bisphenol S. Journal of Organometallic Chemistry, 2006, 691, 5289-5297.	0.8	29
90	X-ray Diffraction and Solid-State NMR Studies of a Germanium Binuclear Complex. Chemistry - A European Journal, 2006, 12, 363-375.	1.7	17

#	ARTICLE	IF	CITATIONS
91	Continua of Interactions between Pairs of Atoms in Molecular Crystals. Chemistry - A European Journal, 2006, 12, 1941-1949.	1.7	73
92	How Dihydrolipoamide Dehydrogenase-binding Protein Binds Dihydrolipoamide Dehydrogenase in the Human Pyruvate Dehydrogenase Complex. Journal of Biological Chemistry, 2006, 281, 648-655.	1.6	64
93	Hydrothermal synthesis, structural characterisation and magnetic behaviour of hybrid complexes of N-(phosphonomethyl)iminodiacetate. Journal of Molecular Structure, 2005, 754, 51-60.	1.8	21
94	[Co(H ₂ O) ₆]{[Co(C ₄ H ₄ N ₂)(H ₂ O) ₂][V ₂ O ₂ (pmida) ₂]}·2H ₂ O [H ₄ pmida is N-(phosphonomethyl)iminodiacetic acid]: the first two-dimensional hybrid framework containing [V ₂ O ₂ (pmida) ₂] ₄ building blocks. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, m1628-m1632.	0.2	5
95	Ultra-high resolution data for charge densities studies. Acta Crystallographica Section A: Foundations and Advances, 2005, 61, c423-c423.	0.3	0
96	Synthesis, Structure and Binding Properties of Nickel and Copper [14]Cyclidene Complexes with Appended Aza Crown Ethers. European Journal of Inorganic Chemistry, 2004, 2004, 3335-3344.	1.0	10