

Leonard R Macgillivray

List of Publications by Year in descending order

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186
papers

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41344

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224
all docs

224
docs citations

224
times ranked

6325
citing authors

#	ARTICLE	IF	CITATIONS
1	A chiral spherical molecular assembly held together by 60 hydrogen bonds. <i>Nature</i> , 1997, 389, 469-472.	27.8	1,122
2	Supramolecular Control of Reactivity in the Solid State: From Templates to Ladderanes to Metal-Organic Frameworks. <i>Accounts of Chemical Research</i> , 2008, 41, 280-291.	15.6	613
3	Structural Classification and General Principles for the Design of Spherical Molecular Hosts. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1018-1033.	13.8	464
4	Supramolecular Control of Reactivity in the Solid State Using Linear Molecular Templates. <i>Journal of the American Chemical Society</i> , 2000, 122, 7817-7818.	13.7	400
5	Inverted metal-organic frameworks: solid-state hosts with modular functionality. <i>Coordination Chemistry Reviews</i> , 2003, 246, 169-184.	18.8	286
6	Coordination-Driven Self-Assembly Directs a Single-Crystal-to-Single-Crystal Transformation that Exhibits Photocontrolled Fluorescence. <i>Journal of the American Chemical Society</i> , 2004, 126, 9158-9159.	13.7	273
7	Supramolecular Construction of Molecular Ladders in the Solid State. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 232-236.	13.8	269
8	A Single-Crystal-to-Single-Crystal Transformation Mediated by Argentophilic Forces Converts a Finite Metal Complex into an Infinite Coordination Network. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3569-3572.	13.8	260
9	Enforced Face-to-Face Stacking of Organic Semiconductor Building Blocks within Hydrogen-Bonded Molecular Cocrystals. <i>Journal of the American Chemical Society</i> , 2006, 128, 2806-2807.	13.7	250
10	Metal-mediated reactivity in the organic solid state: from self-assembled complexes to metal-organic frameworks. <i>Chemical Society Reviews</i> , 2007, 36, 1239.	38.1	194
11	Organic Synthesis in the Solid State via Hydrogen-Bond-Driven Self-Assembly. <i>Journal of Organic Chemistry</i> , 2008, 73, 3311-3317.	3.2	193
12	Preparation and Reactivity of Nanocrystalline Cocrystals Formed via Sonocrystallization. <i>Journal of the American Chemical Society</i> , 2007, 129, 32-33.	13.7	150
13	Single-crystal-to-single-crystal [2+2] photodimerizations: from discovery to design. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2005, 220, 351-363.	0.8	129
14	From engineering crystals to engineering molecules: emergent consequences of controlling reactivity in the solid state using linear templates. <i>CrystEngComm</i> , 2002, 4, 37.	2.6	116
15	Supramolecular Catalysis in the Organic Solid State through Dry Grinding. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4273-4277.	13.8	115
16	The curious case of (caffeine)·(benzoic acid): how heteronuclear seeding allowed the formation of an elusive cocrystal. <i>Chemical Science</i> , 2013, 4, 4417.	7.4	115
17	Halogen-Bond-Templated [2+2] Photodimerization in the Solid State: Directed Synthesis and Rare Self-Inclusion of a Halogenated Product. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3477-3480.	13.8	114
18	Enclosed Chiral Environments from Self-Assembled Metal-Organic Polyhedra. <i>Crystal Growth and Design</i> , 2004, 4, 419-430.	3.0	113

#	ARTICLE	IF	CITATIONS
19	Cocrystals of Caffeine and Hydroxybenzoic Acids Composed of Multiple Supramolecular Heterosynthons: Screening via Solution-Mediated Phase Transformation and Structural Characterization. <i>Crystal Growth and Design</i> , 2009, 9, 1932-1943.	3.0	111
20	An Inverted Metal-Organic Framework with Compartmentalized Cavities Constructed by Using an Organic Bridging Unit Derived from the Solid State We are grateful to the National Science Foundation (CAREER Award, L.R.M., DMR-0133138) and the University of Iowa for funding. Acknowledgement is also made to the Donors of The Petroleum Research Fund, administered by the American Chemical Society, for support of this research.. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2070.	13.8	100
21	“Template-switching”: a supramolecular strategy for the quantitative, gram-scale construction of a molecular target in the solid state. <i>Chemical Communications</i> , 2003, , 1306-1307.	4.1	99
22	Softening and Hardening of Macro- and Nano-Sized Organic Cocrystals in a Single-Crystal Transformation. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8642-8646.	13.8	92
23	A Supramolecular Protecting Group Strategy Introduced to the Organic Solid State: Enhanced Reactivity through Molecular Pedal Motion. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1037-1041.	13.8	92
24	Nanocrystals of a Metal-Organic Complex Exhibit Remarkably High Conductivity that Increases in a Single-Crystal-to-Single-Crystal Transformation. <i>Journal of the American Chemical Society</i> , 2014, 136, 6778-6781.	13.7	92
25	Template-Controlled Synthesis in the Solid-State. <i>Topics in Current Chemistry</i> , 0, , 201-221.	4.0	91
26	Thixotropic Hydrogel Derived from a Product of an Organic Solid-State Synthesis: Properties and Densities of Metal-Organic Nanoparticles. <i>Journal of the American Chemical Society</i> , 2011, 133, 3365-3371.	13.7	91
27	Co-Crystals of Caffeine and Hydroxy-2-naphthoic Acids: Unusual Formation of the Carboxylic Acid Dimer in the Presence of a Heterosynthon. <i>Molecular Pharmaceutics</i> , 2007, 4, 339-346.	4.6	90
28	Molecular Recognition of the Cyclic Water Trimer in the Solid State. <i>Journal of the American Chemical Society</i> , 1997, 119, 2592-2593.	13.7	88
29	Directed assembly and reactivity of olefins within a one-dimensional ladder-like coordination polymer based on a dinuclear Zn(ii) platform. <i>Chemical Communications</i> , 2005, , 3974.	4.1	87
30	Exploiting modularity in template-controlled synthesis: a new linear template to direct reactivity within discrete hydrogen-bonded molecular assemblies in the solid state. <i>Chemical Communications</i> , 2001, , 2462-2463.	4.1	84
31	Pharmaceutical Nano-Cocrystals: Sonochemical Synthesis by Solvent Selection and Use of a Surfactant. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7284-7288.	13.8	78
32	Design and Construction of a 2D Metal Organic Framework with Multiple Cavities: A Nonregular Net with a Paracyclophane that Codes for Multiply Fused Nodes. <i>Journal of the American Chemical Society</i> , 2005, 127, 14160-14161.	13.7	75
33	Template-Controlled Reactivity in the Organic Solid State by Principles of Coordination-Driven Self-Assembly. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 4559-4568.	2.0	74
34	Vortex grinding for mechanochemistry: application for automated supramolecular catalysis and preparation of a metal-organic framework. <i>Chemical Communications</i> , 2012, 48, 7958.	4.1	74
35	Conformational isomerism leads to supramolecular isomerism and nanoscale inclusion in 2D extended framework solids based on C-methylcalix[4]resorcinarene. <i>Chemical Communications</i> , 2001, , 1034-1035.	4.1	71
36	Heteroditopic Rebek's Imide Directs the Reactivity of Homoditopic Olefins within Desolvated Quaternary Assemblies in the Solid State. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 646-650.	13.8	70

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37	Reversing the code of a template-directed solid-state synthesis: a bipyridine template that directs a single-crystal-to-single-crystal [2 + 2] photodimerisation of a dicarboxylic acid. <i>Chemical Communications</i> , 2005, , 5748.	4.1	69
38	A [2+2] cross-photodimerisation of photostable olefins via a three-component cocrystal solid solution. <i>Chemical Communications</i> , 2012, 48, 1790.	4.1	66
39	Discrete versus Infinite Molecular Self-Assembly: Control in Crystalline Hydrogen-Bonded Assemblies Based on Resorcinol. <i>Organic Letters</i> , 2001, 3, 3835-3838.	4.6	65
40	A Polyhedral Host Constructed Using a Linear Template. <i>Journal of the American Chemical Society</i> , 2002, 124, 11606-11607.	13.7	65
41	A Test for Homology: Photoactive Crystalline Assemblies Involving Linear Templates Based on a Homologous Series of Phloroglucinols. <i>Organic Letters</i> , 2004, 6, 4647-4650.	4.6	64
42	From the Decks to the Bridges: Optoelectronics in [2.2]Paracyclophane Chemistry. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6883-6894.	2.4	59
43	Site-directed regiocontrolled synthesis of a head-to-head photodimer via a single-crystal-to-single-crystal transformation involving a linear template. <i>Chemical Communications</i> , 2002, , 1964-1965.	4.1	55
44	Co-Crystals of a Salicylideneaniline: Photochromism Involving Planar Dihedral Angles. <i>Chemistry of Materials</i> , 2014, 26, 3042-3044.	6.7	55
45	Exploiting Boron Coordination: B-N Bond Supports a [2+2] Photodimerization in the Solid State and Generation of a Diboron Bisweezer for Benzene/Thiophene Separation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5413-5416.	13.8	55
46	General application of mechanochemistry to templated solid-state reactivity: rapid and solvent-free access to crystalline supermolecules. <i>Chemical Communications</i> , 2008, , 5713.	4.1	52
47	Achieving dynamic behaviour and thermal expansion in the organic solid state via co-crystallization. <i>Chemical Science</i> , 2015, 6, 4717-4722.	7.4	52
48	On substituents, steering, and stacking to control properties of the organic solid state. <i>CrystEngComm</i> , 2004, 6, 77.	2.6	50
49	Persistent One-Dimensional Face-to-Face π -Stacks within Organic Cocrystals. <i>Crystal Growth and Design</i> , 2006, 6, 2427-2428.	3.0	49
50	Discrete Double to Quadruple Aromatic Stacks: Stepwise Integration of Face-to-Face Geometries in Cocrystals Based on Indolocarbazole. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12127-12130.	13.8	48
51	Combination of Argentophilic and Perfluorophenyl-Perfluorophenyl Interactions Supports a Head-to-Head [2 + 2] Photodimerization in the Solid State. <i>Crystal Growth and Design</i> , 2015, 15, 538-541.	3.0	48
52	Mechanical Properties of a Series of Macro- and Nanodimensional Organic Cocrystals Correlate with Atomic Polarizability. <i>Journal of the American Chemical Society</i> , 2015, 137, 12768-12771.	13.7	48
53	Supramolecular Ladders: Self-Assembly from Fintium to Adfintium. <i>Crystal Growth and Design</i> , 2006, 6, 2615-2624.	3.0	46
54	Single-crystal-to-single-crystal direct cross-linking and photopolymerisation of a discrete Ag(μ) complex to give a 1D polycyclobutane coordination polymer. <i>Chemical Communications</i> , 2013, 49, 1064-1066.	4.1	46

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55	Onion-Shell Metal-Organic Polyhedra (MOPs): A General Approach to Decorate the Exteriors of MOPs using Principles of Supramolecular Chemistry. <i>Journal of the American Chemical Society</i> , 2008, 130, 14366-14367.	13.7	45
56	A Product of a Templated Solid-State Photodimerization Acts as a Template: Single-Crystal Reactivity in a Single Polymorph of a Cocrystal. <i>Organic Letters</i> , 2013, 15, 744-747.	4.6	45
57	Thermal expansion properties of three isostructural co-crystals composed of isosteric components: interplay between halogen and hydrogen bonds. <i>CrystEngComm</i> , 2016, 18, 8354-8357.	2.6	45
58	Engineering cocrystal and polymorph architecture via pseudoseeding. <i>Chemical Communications</i> , 2009, , 773.	4.1	43
59	Resorcinol-Templated Head-to-Head Photodimerization of a Thiophene in the Solid State and Unusual Edge-to-Face Stacking in a Discrete Hydrogen-Bonded Assembly. <i>Organic Letters</i> , 2014, 16, 1052-1055.	4.6	43
60	Structural consequences of M-Cl ⁻ ⋯H-N hydrogen bonds in substituted pyridinium salts of the cobalt(II)tetrachloride anion isolated from liquid clathrate media. <i>Supramolecular Chemistry</i> , 1996, 7, 167-169.	1.2	42
61	Stereospecific and quantitative photodimerisation of terminal olefins in the solid state. <i>Chemical Communications</i> , 2010, 46, 4956.	4.1	42
62	Supramolecular Complexes of Sulfadiazine and Pyridines: Reconfigurable Exteriors and Chameleon-like Behavior of Tautomers at the Co-Crystal-Salt Boundary. <i>Crystal Growth and Design</i> , 2013, 13, 393-403.	3.0	41
63	Self-Assembly of Fluorinated Boronic Esters and 4,4'-Bipyridine into 2:1 N ⁺ B Adducts and Inclusion of Aromatic Guest Molecules in the Solid State: Application for the Separation of <i>o</i> -Xylene. <i>Crystal Growth and Design</i> , 2018, 18, 2726-2743.	3.0	40
64	Exploiting the Hydrogen-Bonding Capacity of Organoboronic Acids to Direct Covalent Bond Formation in the Solid State: Templatation and Catalysis of the [2 + 2] Photodimerization. <i>Organic Letters</i> , 2018, 20, 5490-5492.	4.6	40
65	Template-controlled reactivity: Following nature's way to design and construct metal-organic polyhedra and polygons. <i>Journal of Solid State Chemistry</i> , 2005, 178, 2409-2413.	2.9	39
66	From co-crystals to functional thin films: photolithography using [2+2] photodimerization. <i>Chemical Science</i> , 2013, 4, 4304.	7.4	37
67	Synthon Hierarchies in Crystal Forms Composed of Theophylline and Hydroxybenzoic Acids: Cocrystal Screening via Solution-Mediated Phase Transformation. <i>Crystal Growth and Design</i> , 2014, 14, 5318-5328.	3.0	37
68	Toward a Reactant Library in Template-Directed Solid-State Organic Synthesis: Reactivity Involving a Monofunctional Reactant Based on a Stilbazole. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 4494-4497.	3.7	36
69	Organic Nanocrystals of the Resorcinarene Hexamer via Sonochemistry: Evidence of Reversed Crystal Growth Involving Hollow Morphologies. <i>Journal of the American Chemical Society</i> , 2012, 134, 6900-6903.	13.7	36
70	Size-Dependent Mechanical Properties of a Metal-Organic Framework: Increase in Flexibility of ZIF-8 by Crystal Downsizing. <i>Nano Letters</i> , 2019, 19, 6140-6143.	9.1	36
71	Structural flexibility of halogen bonds showed in a single-crystal-to-single-crystal [2+2] photodimerization. <i>IUCr</i> , 2018, 5, 491-496.	2.2	35
72	A Rod-Shaped Guest Leads to Architectural Isomerism in a Multicomponent Crystalline Framework Based on a Resorcin[4]arene. <i>Crystal Growth and Design</i> , 2001, 1, 373-375.	3.0	33

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73	“Masked synthons”™ in crystal engineering: insulated components in acetaminophen cocrystal hydrates. <i>CrystEngComm</i> , 2013, 15, 4816.	2.6	33
74	Phototriggered Guest Release from a Nonporous Organic Crystal: Remarkable Single-Crystal-to-Single-Crystal Transformation of a Binary Cocrystal Solvate to a Ternary Cocrystal. <i>Journal of the American Chemical Society</i> , 2020, 142, 20772-20777.	13.7	33
75	Cyclophanes and Ladderanes: Molecular Targets for Supramolecular Chemists. <i>Supramolecular Chemistry</i> , 2005, 17, 47-51.	1.2	32
76	A 1:1 Cocrystal of Caffeine and 2-Hydroxy-1-Naphthoic Acid Obtained via a Slurry Screening Method. <i>Journal of Chemical Crystallography</i> , 2010, 40, 933-939.	1.1	31
77	Halogen-Bond-Templated [2+2] Photodimerization in the Solid State: Directed Synthesis and Rare Self-Inclusion of a Halogenated Product. <i>Angewandte Chemie</i> , 2016, 128, 3538-3541.	2.0	31
78	A Red Zwitterionic Co-Crystal of Acetaminophen and 2,4-Pyridinedicarboxylic Acid. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 3676-3683.	3.3	29
79	Crystal engineering rescues a solution organic synthesis in a cocrystallization that confirms the configuration of a molecular ladder. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 10974-10979.	7.1	29
80	Intramolecular [2 + 2] Photodimerization Achieved in the Solid State via Coordination-Driven Self-Assembly. <i>Organic Letters</i> , 2015, 17, 3233-3235.	4.6	29
81	Supramolecular Construction of an Aldehyde-Cyclobutane via the Solid State: Combining Reversible Imine Formation and Metal-Organic Self-Assembly. <i>Journal of the American Chemical Society</i> , 2017, 139, 8452-8454.	13.7	29
82	Putting Cocrystal Stoichiometry to Work: A Reactive Hydrogen-Bonded “Superassembly” Enables Nanoscale Enlargement of a Metal-Organic Rhomboid via a Solid-State Photocycloaddition. <i>Journal of the American Chemical Society</i> , 2018, 140, 4940-4944.	13.7	29
83	An Inverted Metal-Organic Framework with Compartmentalized Cavities Constructed by Using an Organic Bridging Unit Derived from the Solid State We are grateful to the National Science Foundation (CAREER Award, L.R.M., DMR-0133138) and the University of Iowa for funding. Acknowledgement is also made to the Donors of The Petroleum Research Fund, administered by the American Chemical Society, for support of this research. <i>Angewandte Chemie</i> , 2002, 114, 2174.	2.0	27
84	A Step Towards a [2.2]Paracyclophane: A Single Crystal to Single Crystal Reaction Involving a Hydrogen-Bonded Molecular Assembly with Multiple Reaction Centres. <i>Australian Journal of Chemistry</i> , 2006, 59, 613.	0.9	27
85	Coding a coordination-driven self-assembly via a hydrogen bond-directed solid-state synthesis: An unexpected chiral tetrahedral capsule. <i>Chemical Communications</i> , 2007, , 1603-1604.	4.1	27
86	Regiocontrol of the [2 + 2] Photodimerization in the Solid State Using Isosteric Resorcinols: Head-to-Tail Cyclobutane Formation via Unexpected Embraced Assemblies. <i>Crystal Growth and Design</i> , 2015, 15, 5744-5748.	3.0	26
87	A 2D metal-organic framework with two different rhombus-shaped cavities: a rare example of a (4,4)-net with alternating metal and organic nodes. <i>Microporous and Mesoporous Materials</i> , 2004, 71, 11-15.	4.4	24
88	Self-assembled metal-organic squares derived from linear templates as exemplified by a polydentate ligand that provides access to both a polygon and polyhedron. <i>Chemical Communications</i> , 2004, , 270-271.	4.1	24
89	Resorcinol-Templated Synthesis of a Cofacial Terpyridine in Crystalline π -Stacked Columns. <i>Organic Letters</i> , 2011, 13, 2260-2262.	4.6	24
90	Liquid-assisted vortex grinding supports the single-step solid-state construction of a [2.2]paracyclophane. <i>Faraday Discussions</i> , 2014, 170, 35-40.	3.2	24

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91	Discrete and infinite coordination arrays derived from a template-directed, solid-state, organic synthesis. <i>CrystEngComm</i> , 2002, 4, 223-226.	2.6	22
92	Design Rules: A Net and Archimedean Polyhedra Score Big for Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1110-1112.	13.8	22
93	Quantitative and regiocontrolled cross-photocycloaddition of the anticancer drug 5-fluorouracil achieved in a cocrystal. <i>Chemical Communications</i> , 2016, 52, 13109-13111.	4.1	22
94	Application of Long-Range Synthons Aufbau Modules Based on Trihalophenols To Direct Reactivity in Binary Cocrystals: Orthogonal Hydrogen Bonding and π - π Contact Driven Self-Assembly with Single-Crystal Reactivity. <i>Crystal Growth and Design</i> , 2019, 19, 2511-2518.	3.0	22
95	Dramatic Red-Shifted Fluorescence of [2.2]Paracyclophanes with Peripheral Substituents Attached to the Saturated Bridges. <i>Organic Letters</i> , 2009, 11, 5106-5109.	4.6	21
96	A solid-state trimerisation of a diene diacid affords a bicyclobutyl: reactant structure from X-ray powder data and product separation and structure determination via co-crystallisation. <i>Chemical Communications</i> , 2011, 47, 236-238.	4.1	21
97	Edge-to-Edge $\text{H}\cdots\text{N}$ Hydrogen Bonds in Two-Component Co-crystals Aid a [2 + 2] Photodimerization. <i>Crystal Growth and Design</i> , 2017, 17, 2054-2058.	3.0	21
98	Double inclusion of ferrocene within a doubly interpenetrated three-dimensional framework based on a resorcin[4]arene. <i>Journal of Organometallic Chemistry</i> , 2003, 666, 43-48.	1.8	20
99	Two act as one: unexpected dimers of catechol direct a solid-state [2+2] photodimerization in a six-component hydrogen-bonded assembly. <i>Chemical Communications</i> , 2014, 50, 15960-15962.	4.1	20
100	A Regiocontrolled π -Head-to-Tail [2+2] Photodimerization of a Stilbene Involving a Ternary Solid based on Catechol. <i>Journal of Supramolecular Chemistry</i> , 2002, 2, 227-231.	0.4	19
101	[2.2]Paracyclophane as a Target of the Organic Solid State: Emergent Properties via Supramolecular Construction. <i>Israel Journal of Chemistry</i> , 2012, 52, 53-59.	2.3	19
102	Semiconductor Cocrystals Based on Boron: Generated Electrical Response with π -Rich Aromatic Molecules. <i>Crystal Growth and Design</i> , 2020, 20, 3-8.	3.0	19
103	Supramolecular chemistry under mechanochemical conditions: a small molecule template generated and integrated into a molecular-to-supramolecular and back-to-molecular cascade reaction. <i>Chemical Science</i> , 2020, 11, 3569-3573.	7.4	18
104	Isostructural coordination polymers: epitaxis vs. solid solution. <i>CrystEngComm</i> , 2011, 13, 4311.	2.6	17
105	Single-Crystal-to-Single-Crystal [2 + 2] Photodimerization Involving $\text{B}\cdots\text{N}$ Coordination with Generation of a Thiophene Host. <i>Organometallics</i> , 2020, 39, 2197-2201.	2.3	17
106	Coplanar Recognition by a Rebek Cleft Is Provided by Cooperative Structural Effects Involving a Combination of $\text{O}\cdots\text{H}\cdots\text{O}$, $\text{O}\cdots\text{H}\cdots\text{N}$, and $\text{C}\cdots\text{H}\cdots\text{O}$ Forces. <i>Organic Letters</i> , 2001, 3, 1257-1260.	4.6	16
107	Organosulfonates aid argentophilic forces in the crystal engineering of [2+2] photodimerisations: reactivity involving 3-pyridyl groups. <i>Supramolecular Chemistry</i> , 2014, 26, 207-213.	1.2	16
108	Exploiting Boron Coordination: $\text{B}\cdots\text{N}$ Bond Supports a [2+2] Photodimerization in the Solid State and Generation of a Diboron Bis- π -Tweezer for Benzene/Thiophene Separation. <i>Angewandte Chemie</i> , 2019, 131, 5467-5470.	2.0	16

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109	Discrete Double- to Quadruple Aromatic Stacks: Stepwise Integration of Face-to-Face Geometries in Cocrystals Based on Indolocarbazole. <i>Angewandte Chemie</i> , 2013, 125, 12349-12352.	2.0	15
110	Halogen versus Hydrogen Bonding in Binary Cocrystals: Novel Conformation of a Coformer with [2+2] Photoreactivity of Criss-Crossed C=C Bonds. <i>ChemPhysChem</i> , 2020, 21, 154-163.	2.1	15
111	Post-application of dry vortex grinding improves the yield of a [2 + 2] photodimerization: Addressing static disorder in a cocrystal. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 331, 42-47.	3.9	14
112	Generation of cocrystals of Tavaborole (AN2690): opportunities for boron-containing APIs. <i>CrystEngComm</i> , 2017, 19, 2983-2986.	2.6	14
113	Total Syntheses Supramolecular Style: Solid-State Construction of [2.2]Cyclophanes with Modular Control of Stereochemistry. <i>Crystal Growth and Design</i> , 2020, 20, 2584-2589.	3.0	14
114	Supramolecular Sandwiches: Halogen-Bonded Coformers Direct [2+2] Photoreactivity in Two-Component Cocrystals. <i>Molecules</i> , 2020, 25, 907.	3.8	14
115	A Template-Controlled Solid-State Reaction for the Organic Chemistry Laboratory. <i>Journal of Chemical Education</i> , 2005, 82, 1679.	2.3	13
116	Hydrogen- and Halogen-Bonded Binary Cocrystals with Ditopic Components: Systematic Structural and Photoreactivity Properties That Provide Access to a Completed Series of Symmetrical Cyclobutanes. <i>Crystal Growth and Design</i> , 2020, 20, 7501-7515.	3.0	13
117	Nanocrystals. <i>CrystEngComm</i> , 2012, 14, 7531.	2.6	12
118	Exploration of Solid Forms of Crisaborole: Crystal Engineering Identifies Polymorphism in Commercial Sources and Facilitates Cocrystal Formation. <i>Crystal Growth and Design</i> , 2018, 18, 4416-4419.	3.0	12
119	Exploiting Auophilic Interactions in a [2 + 2] Photocycloaddition: Single-Crystal Reactivity with Changes to Surface Morphology. <i>Inorganic Chemistry</i> , 2019, 58, 12497-12500.	4.0	12
120	Crystal and molecular structure of [H ₃ O ⁺ ·18-crown-6] ₂ ·[ReCl ₆ ⁻] isolated from a liquid clathrate medium. <i>Journal of Chemical Crystallography</i> , 1996, 26, 59-61.	1.1	11
121	Elusive Nonsolvated Cocrystals of Aspirin: Two Polymorphs with Bipyridine Discovered with the Assistance of Mechanochemistry. <i>Crystal Growth and Design</i> , 2018, 18, 2495-2501.	3.0	11
122	Photoreactive salt cocrystal: N ⁺ ···H···N hydrogen bond and cation···π interactions support a cascade-like photodimerization of a 4-stilbazole. <i>CrystEngComm</i> , 2021, 23, 1071-1074.	2.6	11
123	A lanthanide-based helicate coordination polymer derived from a rigid monodentate organic bridge synthesized in the solid state. <i>New Journal of Chemistry</i> , 2008, 32, 797.	2.8	10
124	A metal-organic framework with three cavities based on three-coloured square tiling derived from a cyclobutane constructed in the solid state. <i>New Journal of Chemistry</i> , 2010, 34, 2400.	2.8	10
125	Head-to-tail photodimerization of a thiophene in a co-crystal and a rare adipic acid dimer in the presence of a heterosynthron. <i>CrystEngComm</i> , 2014, 16, 5762-5764.	2.6	10
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