

Benjamin S Gelfand

List of Publications by Year in descending order

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56
papers

1,739
citations

430442

18
h-index

288905

40
g-index

56
all docs

56
docs citations

56
times ranked

2268
citing authors

#	ARTICLE	IF	CITATIONS
1	Green Solvent-Processible N-H-Functionalized Perylene Diimide Materials for Scalable Organic Photovoltaics. ACS Applied Materials & Interfaces, 2022, 14, 3103-3110.	4.0	8
2	Carbene Character in a Series of Neutral PC ₂ carbeneP Cobalt(I) Complexes: Radical Carbenes versus Nucleophilic Carbenes. Organometallics, 2022, 41, 235-245.	1.1	2
3	High-Fidelity Dimerization of Xanthenyl Radicals and Dynamic Qualities of a Congested Ethane: Diethyl Dixanthenyl-9,9-dicarboxylate. European Journal of Organic Chemistry, 2022, 2022, .	1.2	1
4	Regioselective Synthesis of C3-Hydroxyarylated Pyrazoles. Journal of Organic Chemistry, 2022, 87, 846-854.	1.7	11
5	Identification of ligand linkage vectors for the development of p300/CBP degraders. RSC Medicinal Chemistry, 2022, 13, 726-730.	1.7	4
6	Orthogonalization of Polyaryl Linkers as a Route to More Porous Phosphonate Metal-Organic Frameworks. Chemistry - A European Journal, 2022, 28, .	1.7	3
7	Bis[cyclic (alkyl)(amino)carbene] isomers: Stable <i>trans</i> -bis(CAAC) <i>versus</i> <i>cis</i> -bis(CAAC) facile olefin formation for <i>cis</i> -bis(CAAC). Chemical Communications, 2022, 58, 6482-6485.	2.2	4
8	Spontaneous Ammonia Activation Through Coordination-Induced Bond Weakening in Molybdenum Complexes of a Dianionic Pentadentate Ligand Platform**. Angewandte Chemie - International Edition, 2022, 61, .	7.2	11
9	Side-on Coordination in Isostructural Nitrous Oxide and Carbon Dioxide Complexes of Nickel. Angewandte Chemie, 2021, 133, 7153-7157.	1.6	2
10	Side-on Coordination in Isostructural Nitrous Oxide and Carbon Dioxide Complexes of Nickel. Angewandte Chemie - International Edition, 2021, 60, 7077-7081.	7.2	15
11	Rapid synthesis of pomalidomide-conjugates for the development of protein degrader libraries. Chemical Science, 2021, 12, 4519-4525.	3.7	21
12	A monoanionic pentadentate ligand platform for scandium-pnictogen multiple bonds. Chemical Communications, 2021, 57, 8640-8643.	2.2	7
13	An air-stable n-type bay-and-headland substituted bis-cyano N-H functionalized perylene diimide for printed electronics. Journal of Materials Chemistry C, 2021, 9, 13630-13634.	2.7	9
14	Activation of ammonia and hydrazine by electron rich Fe(II) complexes supported by a dianionic pentadentate ligand platform through a common terminal Fe(III) amido intermediate. Chemical Science, 2021, 12, 2231-2241.	3.7	21
15	One-Pot Synthesis of Aryl Selenonic Acids and Some Unexpected Byproducts. Journal of Organic Chemistry, 2021, 86, 9938-9944.	1.7	5
16	Lowering Electrocatalytic CO ₂ Reduction Overpotential Using N-Annulated Perylene Diimide Rhenium Bipyridine Dyads with Variable Tether Length. Journal of the American Chemical Society, 2021, 143, 16849-16864.	6.6	15
17	Binding of histidine and human serum albumin to dirhodium(II) tetraacetate. Journal of Inorganic Biochemistry, 2021, 224, 111556.	1.5	5
18	The effect of sodium thiosulfate on cytotoxicity of a diimine Re(I) tricarbonyl complex. Dalton Transactions, 2021, 50, 5968-5977.	1.6	4

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19	Sidechain engineering of N-annulated perylene diimide molecules. <i>New Journal of Chemistry</i> , 2021, 45, 21001-21005.	1.4	8
20	Effects of Secondary Anions on Proton Conduction in a Flexible Cationic Phosphonate Metal-Organic Framework. <i>Chemistry of Materials</i> , 2020, 32, 679-687.	3.2	36
21	Tandem deoxygenative hydrosilation of carbon dioxide with a cationic scandium hydridoborate and B(C ₆ F ₅) ₃ . <i>Dalton Transactions</i> , 2020, 49, 95-101.	1.6	14
22	Subtle substitution controls the rainbow chromatic behaviour of multi-stimuli responsive core-expanded pyrenes. <i>Materials Chemistry Frontiers</i> , 2020, 4, 268-276.	3.2	23
23	The Unexpected Role of Se ^{VI} Species in Epoxidations with Benzeneseleninic Acid and Hydrogen Peroxide. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4283-4287.	7.2	22
24	A N-H functionalized perylene diimide with strong red-light absorption for green solvent processed organic electronics. <i>Journal of Materials Chemistry C</i> , 2020, 8, 9811-9815.	2.7	16
25	Acid dyeing for green solvent processing of solvent resistant semiconducting organic thin films. <i>Materials Horizons</i> , 2020, 7, 2959-2969.	6.4	24
26	H/D exchange under mild conditions in arenes and unactivated alkanes with C ₆ D ₆ and D ₂ O using rigid, electron-rich iridium PCP pincer complexes. <i>Chemical Science</i> , 2020, 11, 10705-10717.	3.7	20
27	Synthesis, Characterization, and Reactivity of Neutral Octahedral Alkyl-Cobalt(III) Complexes Bearing a Dianionic Pentadentate Ligand. <i>Organometallics</i> , 2020, 39, 2269-2277.	1.1	5
28	Particle size dependence of proton conduction in a cationic lanthanum phosphonate MOF. <i>Dalton Transactions</i> , 2020, 49, 4022-4029.	1.6	19
29	Dithiazine vapour saturation in natural gas mixtures. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 78, 103286.	2.1	3
30	Hydrolysis of scandium alkyl derivatives supported by a pentadentate diborate ligand: Interconversion of hydroxo and oxo complexes. <i>Polyhedron</i> , 2020, 179, 114410.	1.0	7
31	Synthesis, self-assembly, and air-stable radical anions of unconventional 6,7-bis-nitrated <i>N</i> -annulated perylene diimides. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 1181-1185.	1.7	13
32	The Unexpected Role of Se VI Species in Epoxidations with Benzeneseleninic Acid and Hydrogen Peroxide. <i>Angewandte Chemie</i> , 2020, 132, 4313-4317.	1.6	1
33	Boron-nitrogen substituted dihydroindeno[1,2- <i>b</i>]fluorene derivatives as acceptors in organic solar cells. <i>Chemical Communications</i> , 2019, 55, 11095-11098.	2.2	26
34	Reaction of dirhodium(II) tetraacetate with <i>S</i> -methyl- <i>L</i> -cysteine. <i>Journal of Coordination Chemistry</i> , 2019, 72, 2177-2188.	0.8	5
35	Three Sequential Hydrolysis Products of the Ubiquitous Cu ₂₄ Isophthalate Metal-Organic Polyhedra. <i>Inorganic Chemistry</i> , 2019, 58, 9874-9881.	1.9	14
36	Microsphere Assemblies via Phosphonate Monoester Coordination Chemistry. <i>Chemistry - A European Journal</i> , 2018, 24, 1533-1538.	1.7	7

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37	Achieving Superprotonic Conduction in Metal-Organic Frameworks through Iterative Design Advances. <i>Journal of the American Chemical Society</i> , 2018, 140, 1077-1082.	6.6	259
38	Holding Open Micropores with Water: Hydrogen-Bonded Networks Supported by Hexaaquachromium(III) Cations. <i>CheM</i> , 2018, 4, 868-878.	5.8	16
39	Water-soluble NNN-pincer complexes of cobalt, nickel and palladium: Solid-state structures and catalytic activity. <i>Polyhedron</i> , 2018, 143, 138-143.	1.0	10
40	3D porous metal-organic framework for selective adsorption of methane over dinitrogen under ambient pressure. <i>Chemical Communications</i> , 2018, 54, 14104-14107.	2.2	32
41	Methionine Binding to Dirhodium(II) Tetraacetate. <i>Inorganic Chemistry</i> , 2018, 57, 12787-12799.	1.9	15
42	Scandium alkyl and hydride complexes supported by a pentadentate diborate ligand: reactions with CO ₂ and N ₂ O. <i>Dalton Transactions</i> , 2018, 47, 13680-13688.	1.6	23
43	Extracting structural trends from systematic variation of phosphonate/phosphonate monoester coordination polymers. <i>CrystEngComm</i> , 2017, 19, 3727-3736.	1.3	12
44	Tuning Intrinsic and Extrinsic Proton Conduction in Metal-Organic Frameworks by the Lanthanide Contraction. <i>Journal of the American Chemical Society</i> , 2017, 139, 14676-14683.	6.6	101
45	Computational and Experimental Assessment of CO ₂ Uptake in Phosphonate Monoester Metal-Organic Frameworks. <i>Chemistry of Materials</i> , 2017, 29, 10469-10477.	3.2	17
46	Dithienophosphole-Based Phosphinamides with Intriguing Self-Assembly Behavior. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3481-3485.	7.2	35
47	Dithienophosphole-Based Phosphinamides with Intriguing Self-Assembly Behavior. <i>Angewandte Chemie</i> , 2016, 128, 3542-3546.	1.6	12
48	Mediating Order and Modulating Porosity by Controlled Hydrolysis in a Phosphonate Monoester Metal-Organic Framework. <i>Angewandte Chemie</i> , 2016, 128, 14834-14837.	1.6	11
49	Mediating Order and Modulating Porosity by Controlled Hydrolysis in a Phosphonate Monoester Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14614-14617.	7.2	48
50	Tuning the aggregation-induced enhanced emission behavior and self-assembly of phosphole-lipids. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2936-2944.	2.7	16
51	Parameterizing and grading hydrolytic stability in metal-organic frameworks. <i>Dalton Transactions</i> , 2016, 45, 3668-3678.	1.6	86
52	A Water Stable Magnesium MOF That Conducts Protons over 10 ² S cm ⁻¹ . <i>Journal of the American Chemical Society</i> , 2015, 137, 7640-7643.	6.6	287
53	Reconciling order, stability, and porosity in phosphonate metal-organic frameworks via HF-mediated synthesis. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 273-277.	3.0	19
54	Design of a Humidity-Stable Metal-Organic Framework Using a Phosphonate Monoester Ligand. <i>Inorganic Chemistry</i> , 2015, 54, 1185-1187.	1.9	40

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55	Enhancing Proton Conduction in a Metal-Organic Framework by Isomorphous Ligand Replacement. <i>Journal of the American Chemical Society</i> , 2013, 135, 963-966.	6.6	289
56	Spontaneous Ammonia Activation Through Coordination Induced Bond Weakening in Molybdenum Complexes of a Dianionic Pentadentate Ligand Platform. <i>Angewandte Chemie</i> , 0, , .	1.6	0