

Eric Bukovsky

List of Publications by Year in descending order

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28
papers

382
citations

758635

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g-index

31
all docs

31
docs citations

31
times ranked

555
citing authors

#	ARTICLE	IF	CITATIONS
1	Detonation synthesis of carbon nano-onions via liquid carbon condensation. Nature Communications, 2019, 10, 3819.	5.8	50
2	Comparison of the Coordination of $B_{12}F_{12}^{2-}$, $B_{12}Cl_{12}^{2-}$, and $B_{12}H_{12}^{2-}$ to Na^+ in the Solid State: Crystal Structures and Thermal Behavior of $Na_2(B_{12}F_{12})$, $Na_2(H_2O)_2(B_{12}F_{12})$, $Na_2(B_{12}Cl_{12})$, and Core-Perylene Diiimide Designs via Direct Bayand <i>ortho</i> (Poly)trifluoromethylation: Synthesis, Isolation, X-ray Structures, Optical and Electronic Properties. European Journal of Organic Chemistry, 2015, 2015, 6641-6654.	1.9	34
3	Structures of $M_2(SO_2)_6B_{12}F_{12}$ (M = Ag or K) and $Ag_2(H_2O)_4B_{12}F_{12}$: Comparison of the Coordination of SO_2 versus H_2O and of $B_{12}F_{12}^{2-}$ versus Other Weakly Coordinating Anions to Metal Ions in the Solid State. Inorganic Chemistry, 2016, 55, 12254-12262.	1.2	26
4	Jahn-Teller Effect in the $B_{12}F_{12}^-$ Radical Anion and Energetic Preference of an Octahedral $B_6(BF_2)_6$ Cluster Structure over an Icosahedral Structure for the Elusive Neutral $B_{12}F_{12}$. Inorganic Chemistry, 2015, 54, 11563-11566.	1.9	24
5	Development and Characterization of 3D Printable Thermite Component Materials. Advanced Materials Technologies, 2018, 3, 1800120.	1.9	21
6	Single-Step Gas-Phase Polyperfluoroalkylation of Naphthalene Leads to Thermodynamic Products. Chemistry - A European Journal, 2014, 20, 4373-4379.	3.0	21
7	The development of bio-carbon adsorbents from Lodgepole Pine to remediate acid mine drainage in the Rocky Mountains. Biomass and Bioenergy, 2008, 32, 267-276.	1.7	20
8	Poly(trifluoromethyl)azulenes: structures and acceptor properties. Chemical Communications, 2014, 50, 6263-6266.	2.9	16
9	Copper Causes Regiospecific Formation of C_{48} -Containing Six-Membered Rings and their Defluorination/Aromatization to C_{48} -Containing Rings in Triphenylene/ $1,4-C_{48}I_2$ Reactions. Chemistry - A European Journal, 2016, 22, 874-877.	2.2	16
10	The Structure of $(H_3O)_2B_{12}F_{12} \cdot 6H_2O$ a CCP Lattice of $B_{12}F_{12}^{2-}$ Anions Intercalated with a Nonplanar Network of H_3O^+ Connected O_6 Rings. European Journal of Inorganic Chemistry, 2012, 2012, 208-212.	1.7	16
11	Latent Porosity in Alkali-Metal $M_2B_{12}F_{12}$ Salts: Structures and Rapid Room-Temperature Hydration/Dehydration Cycles. Inorganic Chemistry, 2017, 56, 12023-12041.	1.0	15
12	Solid-state solvation and anion packing patterns in X-ray structures of crystalline $K_2(solvent)_nB_{12}F_{12}$ ($solvent = H_2O(aq), CH_3OH, CH_3NO_2, \text{ and } CH_3CN$). Polyhedron, 2013, 58, 197-205.	1.9	13
13	Incremental Tuning Up of Fluorous Phenazine Acceptors. Chemistry - A European Journal, 2016, 22, 3930-3936.	1.0	12
14	Efficient direct fluorination of the $B_{12}H_{11}(NH_3)^+$ anion in acetonitrile and comparison of the structures of $Na(H_2O)_4(B_{12}F_{11}(NH_3))$, $Na(H_3O)(H_2O)_3(B_{12}F_{12})$, and $Na_2(H_2O)_4(B_{12}F_{12})$. Journal of Fluorine Chemistry, 2017, 203, 90-98.	1.7	12
15	Manifestations of Weak $H \cdots F$ Hydrogen Bonding in $M(H_2O)_n(B_{12}F_{12})$ Salt Hydrates: Unusually Sharp Fourier Transform Infrared $\frac{1}{2}$ (OH) Bands and Latent Porosity (M = Mg, Ba, Co, Ni, Zn). Inorganic Chemistry, 2018, 57, 14983-15000.	0.9	12
16	A faux hawk fullerene with PCBM-like properties. Chemical Science, 2015, 6, 1801-1815.	1.9	11
17	Structure of $(SiEt_3)_2(B_{12}F_{12})$. Another example of R_3Si-F bridge bonding (E=B, Al, Si). Journal of Fluorine Chemistry, 2018, 212, 107-111.	3.7	8
18		0.9	8

#	ARTICLE	IF	CITATIONS
19	Structures and structure-related electronic properties of new C60(CF3)10 isomers. Journal of Fluorine Chemistry, 2016, 185, 103-117.	0.9	7
20	Deca-B-fluorination of diammonioboranes. Structures and NMR characterization of 1,2-, 1,7-, and 1,12-B12H10(NH3)2 and 1,2-, 1,7-, and 1,12-B12F10(NH3)2. Journal of Fluorine Chemistry, 2018, 209, 33-42.	0.9	7
21	PAH/PAH(CF3)n Donor/Acceptor Charge-Transfer Complexes in Solution and in Solid-State Co-Crystals. Chemistry - A European Journal, 2019, 25, 13547-13565.	1.7	7
22	Steric and electronic effects of CF3 conformations in acene(CF3) derivatives. Journal of Fluorine Chemistry, 2019, 221, 1-7.	0.9	7
23	Structures of 1,1,3,3-tetra(2-methyl-2-nonyl)ferrocenium(1+) salts of CB11H12 ⁻ , B12F12 ⁻ , BF4 ⁻ , PF6 ⁻ , and ClO3 ⁻ . Journal of Organometallic Chemistry, 2018, 865, 128-137.	0.8	4
24	Experimental study of structure/behavior relationship for a metallized explosive. AIP Conference Proceedings, 2018, , .	0.3	3
25	Spatially Controlled 3D Printing of Dual-Curing Urethane Elastomers. Advanced Materials Technologies, 2022, 7, 2100700.	3.0	3
26	Evaluating the bis-isoxazole core for energetic heterocyclic-based oligomers. Polymer Chemistry, 2020, 11, 6149-6156.	1.9	2
27	Versatile metal reactor for high-temperature and high-pressure trifluoromethylation of carbon-rich substrates. Journal of Fluorine Chemistry, 2018, 210, 56-64.	0.9	1
28	Frontispiece: Incremental Tuning Up of Fluorous Phenazine Acceptors. Chemistry - A European Journal, 2016, 22, .	1.7	0