

Mohammad R Imam

List of Publications by Year in descending order

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3,009
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257357

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#	ARTICLE	IF	CITATIONS
1	Enhancing conformational flexibility of dendronized triphenylene via diethylene glycol linkers lowers transitions of helical columnar, Frank-Kasper, and quasicrystal phases. <i>Giant</i> , 2022, 10, 100098.	2.5	9
2	Conformationally flexible dendronized cyclotetraveratrylenes (CTTV)s self-organize a large diversity of chiral columnar, Frank-Kasper and quasicrystal phases. <i>Giant</i> , 2022, 10, 100096.	2.5	12
3	Molecular parameters including fluorination program order during hierarchical helical self-organization of self-assembling dendrons. <i>Giant</i> , 2022, 11, 100103.	2.5	10
4	Self-Organization of Rectangular Bipyramidal Helical Columns by Supramolecular Orientational Memory Epitaxially Nucleated from a Frank-Kasper I_f Phase. <i>Giant</i> , 2021, , 100084.	2.5	21
5	UV-absorbing benzamide-based dendrimer precursors: synthesis, theoretical calculation, and spectroscopic characterization. <i>New Journal of Chemistry</i> , 2021, 46, 75-85.	1.4	3
6	Supramolecular spheres assembled from covalent and supramolecular dendritic crowns dictate the supramolecular orientational memory effect mediated by Frank-Kasper phases. <i>Giant</i> , 2020, 1, 100001.	2.5	40
7	Self-Assembly of Biphenyl Hybrid Dendrons into Supramolecular Hollow Columns. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 251-262.	1.7	0
8	Hierarchical Self-Organization of Chiral Columns from Chiral Supramolecular Spheres. <i>Journal of the American Chemical Society</i> , 2018, 140, 13478-13487.	6.6	34
9	Complex Arrangement of Orthogonal Nanoscale Columns <i>via</i> a Supramolecular Orientational Memory Effect. <i>ACS Nano</i> , 2016, 10, 10480-10488.	7.3	42
10	Increasing 3D Supramolecular Order by Decreasing Molecular Order. A Comparative Study of Helical Assemblies of Dendronized Nonchlorinated and Tetrachlorinated Perylene Bisimides. <i>Journal of the American Chemical Society</i> , 2015, 137, 5210-5224.	6.6	40
11	Self-Organizable Vesicular Columns Assembled from Polymers Dendronized with Semifluorinated Janus Dendrimers Act As Reverse Thermal Actuators. <i>Journal of the American Chemical Society</i> , 2012, 134, 4408-4420.	6.6	123
12	Programming the Supramolecular Helical Polymerization of Dendritic Dipeptides via the Stereochemical Information of the Dipeptide. <i>Journal of the American Chemical Society</i> , 2011, 133, 5135-5151.	6.6	82
13	Self-Assembly of Dendronized Perylene Bisimides into Complex Helical Columns. <i>Journal of the American Chemical Society</i> , 2011, 133, 12197-12219.	6.6	120
14	Transfer, Amplification, and Inversion of Helical Chirality Mediated by Concerted Interactions of C_3 -Supramolecular Dendrimers. <i>Journal of the American Chemical Society</i> , 2011, 133, 2311-2328.	6.6	100
15	Self-Assembly of Hybrid Dendrons into Doubly Segregated Supramolecular Polyhedral Columns and Vesicles. <i>Journal of the American Chemical Society</i> , 2010, 132, 11288-11305.	6.6	70
16	Proton Transport from Dendritic Helical Pore-Incorporated Polymersomes. <i>Advanced Functional Materials</i> , 2009, 19, 2930-2936.	7.8	40
17	Elucidating the Structure of the $Pm\bar{3}n$ Cubic Phase of Supramolecular Dendrimers through the Modification of their Aliphatic to Aromatic Volume Ratio. <i>Chemistry - A European Journal</i> , 2009, 15, 8994-9004.	1.7	51
18	Dendronized supramolecular polymers self-assembled from dendritic ionic liquids. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4165-4193.	2.5	58

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19	Self-Assembly of Dendronized Triphenylenes into Helical Pyramidal Columns and Chiral Spheres. <i>Journal of the American Chemical Society</i> , 2009, 131, 7662-7677.	6.6	169
20	Dendron-Mediated Self-Assembly, Disassembly, and Self-Organization of Complex Systems. <i>Chemical Reviews</i> , 2009, 109, 6275-6540.	23.0	1,131
21	Self-Assembling Dendronized Dendrimers. <i>Israel Journal of Chemistry</i> , 2009, 49, 55-70.	1.0	26
22	Self-Assembly of Dendritic Crowns into Chiral Supramolecular Spheres. <i>Journal of the American Chemical Society</i> , 2009, 131, 1294-1304.	6.6	158
23	Molecular Structure of Helical Supramolecular Dendrimers. <i>Journal of the American Chemical Society</i> , 2008, 130, 14840-14852.	6.6	130
24	Hollow Spherical Supramolecular Dendrimers. <i>Journal of the American Chemical Society</i> , 2008, 130, 13079-13094.	6.6	113
25	Long-range electron transport in a self-organizing n-type organic material. <i>Applied Physics Letters</i> , 2008, 92, 113312.	1.5	27
26	Self-Assembly of Semifluorinated Minidendrons Attached to Electron-Acceptor Groups into Pyramidal Columns. <i>Chemistry - A European Journal</i> , 2007, 13, 3330-3345.	1.7	74
27	Self-Assembling Phenylpropyl Ether Dendronized Helical Polyphenylacetylenes. <i>Chemistry - A European Journal</i> , 2007, 13, 9572-9581.	1.7	81
28	Synthesis, structural, and retrostructural analysis of helical dendronized poly(1-naphthylacetylene)s. <i>Journal of Polymer Science Part A</i> , 2007, 45, 4974-4987.	2.5	58
29	Self-Assembly of Semifluorinated Janus-Dendritic Benzamides into Bilayered Pyramidal Columns. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4739-4745.	7.2	158