

# Kathleen V Kilway

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

516  
citations

840776

11  
h-index

752698

20  
g-index

22  
all docs

22  
docs citations

22  
times ranked

681  
citing authors

#	ARTICLE	IF	CITATIONS
1	Properties of silorane-based dental resins and composites containing a stress-reducing monomer. <i>Dental Materials</i> , 2007, 23, 1011-1017.	3.5	124
2	Effect of transition-metal complexation on the stereodynamics of persubstituted arenes. Evidence for steric complementarity between arene and metal tripod. <i>Journal of the American Chemical Society</i> , 1992, 114, 255-261.	13.7	66
3	Highly Efficient and Stable Perovskite Solar Cells Using a Dopant-Free Inexpensive Small Molecule as the Hole-Transporting Material. <i>Advanced Energy Materials</i> , 2018, 8, 1801248.	19.5	62
4	Control of functional group proximity and direction by conformational networks: synthesis and stereodynamics of persubstituted arenes. <i>Tetrahedron</i> , 2001, 57, 3615-3627.	1.9	50
5	Synthesis and Structure of a Longitudinally Twisted Hexacene. <i>Chemistry - A European Journal</i> , 2018, 24, 3113-3116.	3.3	40
6	Unusually high SCLC hole mobility in solution-processed thin films of a polycyclic thiophene-based small-molecule semiconductor. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7180-7183.	5.5	36
7	Evidence for gated stereodynamics in [1,4-bis(4,4-dimethyl-3-oxopentyl)-2,3,5,6-tetraethylbenzene]chromium tricarbonyl. <i>Journal of the American Chemical Society</i> , 1991, 113, 2332-2333.	13.7	31
8	Synthesis and structure of a twisted, colossal quinone. <i>Tetrahedron Letters</i> , 2000, 41, 5005-5008.	1.4	20
9	A Superior Synthesis of Longitudinally Twisted Acenes. <i>Chemistry - A European Journal</i> , 2018, 24, 243-250.	3.3	20
10	Effect of moisture on cationic polymerization of silicone epoxy monomers. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	13
11	Unexpected conversion of a polycyclic thiophene to a macrocyclic anhydride. <i>Tetrahedron</i> , 2004, 60, 2433-2438.	1.9	12
12	Elution of rifampin and vancomycin from a weight-bearing silorane-based bone cement. <i>Bone and Joint Research</i> , 2021, 10, 277-284.	3.6	7
13	Toward a Cohesive Theory of Polymerization Volume Change, 1. <i>Macromolecular Theory and Simulations</i> , 2005, 14, 117-124.	1.4	6
14	Molecular assembly of 1,3,5-tris(cyanomethyl) and 1,4-bis(cyanomethyl)arenes with silver triflate. <i>Pure and Applied Chemistry</i> , 2006, 78, 855-871.	1.9	6
15	Vibrational spectroscopic studies, conformations and <i>ab initio</i> calculations of 1,2-bis(trifluorosilyl)ethane ( $\text{SiF}_3\text{CH}_2\text{CH}_2\text{SiF}_3$ ). <i>Journal of Raman Spectroscopy</i> , 2009, 40, 2111-2122.	2.5	6
16	Silorane resin supports proliferation, differentiation, and mineralization of MLO-5 bone cells <i>in vitro</i> and bone formation <i>in vivo</i> . <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 850-861.	3.4	6
17	Quantum-mechanical QSPR models for polymerization volume change of epoxides and methacrylates based on mercury dilatometry results. <i>Polymer</i> , 2006, 47, 8595-8603.	3.8	3
18	Estimation of properties of a photoinitiated silorane-based composite with potential for orthopaedic applications. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 163-169.	3.4	3

#	ARTICLE	IF	CITATIONS
19	Construction of Janus dendrimers through a self-assembly approach involving chiral discrimination at a focal point. <i>Chemical Communications</i> , 2021, 57, 6404-6407.	4.1	3
20	Chirality-Driven Self-Assembly: Application Toward Renewable/Exchangeable Resin-Immobilized Catalysts. <i>Organic and Biomolecular Chemistry</i> , 2022, , .	2.8	2
21	Frontispiece: Synthesis and Structure of a Longitudinally Twisted Hexacene. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	0