

# Daniel B Knorr Jr

## List of Publications by Year in descending order

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37  
papers

1,055  
citations

471509

17  
h-index

414414

32  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1030  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple local hydroxyl groups as a way to improve bond strength and durability in structural adhesives. <i>Journal of Adhesion</i> , 2022, 98, 1834-1854.	3.0	5
2	Assessing the properties of Poly(dicyclopentadiene) reinforced with discontinuous carbon fibers. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 155, 106839.	7.6	11
3	Carbon fiber polypropylene interphase modification as a route to improved toughness. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 159, 107001.	7.6	14
4	Role of Glass Transition Temperature on Energy Absorption Mechanisms in High Strain Rate Impact Performance of Fiber Reinforced Composites. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2021, , 99-104.	0.5	1
5	Surface modification of carbon fibres using ring-opening metathesis polymerization. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 145, 106374.	7.6	19
6	Influence of Interfacial Bonding on the Mechanical and Impact Properties Ring-Opening Metathesis Polymer (ROMP) Silica Composites. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 53342-53355.	8.0	8
7	Influence of Hydroxyl Group Concentration on Mechanical Properties and Impact Resistance of ROMP Copolymers. <i>ACS Applied Polymer Materials</i> , 2020, 2, 2414-2425.	4.4	13
8	Influence of temperature dependent matrix properties on the high-rate impact performance of thin glass fiber reinforced composites. <i>Composites Part B: Engineering</i> , 2020, 192, 108009.	12.0	18
9	Molecular Weight Control via Cross Metathesis in Photo-Redox Mediated Ring-Opening Metathesis Polymerization. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9074-9079.	13.8	23
10	Molecular Weight Control via Cross Metathesis in Photo-Redox Mediated Ring-Opening Metathesis Polymerization. <i>Angewandte Chemie</i> , 2020, 132, 9159-9164.	2.0	5
11	The temperature-dependent ballistic performance and the ductile-to-brittle transition in polymer networks. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 511-523.	2.1	15
12	Influence of molecular weight between crosslinks on the mechanical properties of polymers formed via ring-opening metathesis. <i>Soft Matter</i> , 2018, 14, 3344-3360.	2.7	60
13	Polydopamine and Polydopamine-Silane Hybrid Surface Treatments in Structural Adhesive Applications. <i>Langmuir</i> , 2018, 34, 1274-1286.	3.5	63
14	Failure Processes Governing High Rate Impact Resistance of Epoxy Resins Filled with Core Shell Rubber Nanoparticles. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2017, , 271-283.	0.5	0
15	Ballistic Response of Polydicyclopentadiene vs. Epoxy Resins and Effects of Crosslinking. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2017, , 285-290.	0.5	5
16	Synthesis and Characterization of Aminopropyltriethoxysilane-Polydopamine Coatings. <i>Langmuir</i> , 2016, 32, 4370-4381.	3.5	76
17	Nanovoid formation and mechanics: a comparison of poly(dicyclopentadiene) and epoxy networks from molecular dynamics simulations. <i>Soft Matter</i> , 2016, 12, 4418-4434.	2.7	49
18	Expanded Functionality of Polymers Prepared Using Metal-Free Ring-Opening Metathesis Polymerization. <i>ACS Macro Letters</i> , 2016, 5, 579-582.	4.8	63

#	ARTICLE	IF	CITATIONS
19	Dynamic heterogeneity in epoxy networks for protection applications. Journal of Applied Polymer Science, 2016, 133, .	2.6	20
20	Failure processes governing high-rate impact resistance of epoxy resins filled with core-shell rubber nanoparticles. Journal of Materials Science, 2016, 51, 2347-2370.	3.7	45
21	Relating structure and chain dynamics to ballistic performance in transparent epoxy networks exhibiting nanometer scale heterogeneity. Polymer, 2015, 58, 96-106.	3.8	30
22	Overcoming the structural versus energy dissipation trade-off in highly crosslinked polymer networks: Ultrahigh strain rate response in polydicyclopentadiene. Composites Science and Technology, 2015, 114, 17-25.	7.8	63
23	Nanoscale Phase Analysis of Molecular Cooperativity and Thermal Transitions in Dendritic Nonlinear Optical Glasses. Journal of Physical Chemistry B, 2012, 116, 13793-13805.	2.6	24
24	Glass transition dependence of ultrahigh strain rate response in amine cured epoxy resins. Polymer, 2012, 53, 5917-5923.	3.8	50
25	Manipulation of Interfacial Amine Density in Epoxy-Amine Systems as Studied by Near-Edge X-ray Absorption Fine Structure (NEXAFS). Langmuir, 2012, 28, 15294-15304.	3.5	5
26	Nano-Engineering Lattice Dimensionality for a Soft Matter Organic Functional Material. Advanced Materials, 2012, 24, 3263-3268.	21.0	25
27	Systematic Nanoengineering of Soft Matter Organic Electro-optic Materials. Chemistry of Materials, 2011, 23, 430-445.	6.7	129
28	Molecular friction dissipation and mode coupling in organic monolayers and polymer films. Journal of Chemical Physics, 2011, 134, 104502.	3.0	11
29	Insight into reverse selectivity and relaxation behavior of poly[1-(trimethylsilyl)-1-propyne] by flux-lateral force and intrinsic friction microscopy. Journal of Membrane Science, 2010, 346, 302-309.	8.2	6
30	Theory-guided enhancement of poling efficiency of organic electro-optic materials. , 2010, , .		3
31	Supramolecular Self-Assembled Dendritic Nonlinear Optical Chromophores: Fine-Tuning of Arene-Perfluoroarene Interactions for Ultralarge Electro-Optic Activity and Enhanced Thermal Stability. Advanced Materials, 2009, 21, 1976-1981.	21.0	96
32	Intrinsic friction analysis- Novel nanoscopic access to molecular mobility in constrained organic systems. Ultramicroscopy, 2009, 109, 991-1000.	1.9	16
33	Molecular Mobility in Self-Assembled Dendritic Chromophore Glasses. Journal of Physical Chemistry B, 2009, 113, 14180-14188.	2.6	15
34	Mesoscale Dynamics and Cooperativity of Networking Dendronized Nonlinear Optical Molecular Glasses. Nano Letters, 2008, 8, 754-759.	9.1	52
35	Cooperative and submolecular dissipation mechanisms of sliding friction in complex organic systems. Journal of Chemical Physics, 2008, 129, 074504.	3.0	17
36	Evaluation of dopamine and dopamine derivatives as additives in epoxy resin for structural adhesive applications. Journal of Adhesion, 0, , 1-16.	3.0	0

#	ARTICLE	IF	CITATIONS
37	Ring-opening metathesis polymerization (ROMP) polymers as structural adhesives and the effects of silane coupling agents on their lap shear properties. Journal of Adhesion Science and Technology, 0, , 1-16.	2.6	0