

Daniel J Eyckens

List of Publications by Year in descending order

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36
papers

804
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471371

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27
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36
all docs

36
docs citations

36
times ranked

678
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface modification of carbon fiber as a protective strategy against thermal degradation. Composites Part A: Applied Science and Manufacturing, 2022, 153, 106740.	3.8	6
2	Size- Controlled Nanosculpture of Cylindrical Pores across Multilayer Graphene via Photocatalytic Perforation. Advanced Materials Interfaces, 2022, 9, .	1.9	4
3	Mixed Surface Chemistry on Carbon Fibers to Promote Adhesion in Epoxy and PMMA Polymers. Industrial & Engineering Chemistry Research, 2022, 61, 1615-1623.	1.8	5
4	Carbon fiber sizing agents based on renewable terpenes. Composites Science and Technology, 2022, 220, 109280.	3.8	10
5	Examining the Role of Aryldiazonium Salts in Surface Electroinitiated Polymerization. Langmuir, 2022, 38, 4979-4995.	1.6	5
6	Multifunctional polymeric surface coatings of carbon fibre electrodes for enhanced energy storage performance. Chemical Engineering Journal, 2022, 447, 137560.	6.6	7
7	Covalent sizing surface modification as a route to improved interfacial adhesion in carbon fibre-epoxy composites. Composites Part A: Applied Science and Manufacturing, 2021, 140, 106147.	3.8	36
8	Using redox active molecules to build multilayered architecture on carbon fibers and the effect on adhesion in epoxy composites. Composites Science and Technology, 2021, 202, 108564.	3.8	13
9	Improving the effects of plasma polymerization on carbon fiber using a surface modification pretreatment. Composites Part A: Applied Science and Manufacturing, 2021, 143, 106319.	3.8	31
10	±-Aminophosphonate Derivatives for Enhanced Flame Retardant Properties in Epoxy Resin. Materials, 2021, 14, 3230.	1.3	4
11	Carbon fibre surface chemistry and its role in fibre-to-matrix adhesion. Journal of Materials Chemistry A, 2021, 9, 26528-26572.	5.2	27
12	Examining interfacial interactions in a range of polymers using poly(ethylene oxide) functionalized carbon fibers. Composites Part A: Applied Science and Manufacturing, 2020, 138, 106053.	3.8	28
13	Copper Ionophores as Novel Antiobesity Therapeutics. Molecules, 2020, 25, 4957.	1.7	8
14	Using In Situ Polymerization to Increase Puncture Resistance and Induce Reversible Formability in Silk Membranes. Materials, 2020, 13, 2252.	1.3	7
15	Rapid Cross-Linking of Epoxy Thermosets Induced by Solvate Ionic Liquids. ACS Applied Polymer Materials, 2020, 2, 2651-2657.	2.0	19
16	±-Aminophosphonates as Potential PARP1 Inhibitors. ChemistrySelect, 2020, 5, 4205-4209.	0.7	9
17	Using molecular entanglement as a strategy to enhance carbon fiber-epoxy composite interfaces. Composites Science and Technology, 2020, 196, 108225.	3.8	39
18	Expanding the Scope of Surface Grafted Polymers Using Electroinitiated Polymerization. Langmuir, 2020, 36, 7217-7226.	1.6	20

#	ARTICLE	IF	CITATIONS
19	Improved out-of-plane strength and weight reduction using hybrid interface composites. <i>Composites Science and Technology</i> , 2019, 182, 107730.	3.8	8
20	Fiber with Butterfly Wings: Creating Colored Carbon Fibers with Increased Strength, Adhesion, and Reversible Malleability. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 41617-41625.	4.0	43
21	Colour tuning and enhancement of gel-based electrochemiluminescence devices utilising Ru(ii) and Ir(iii) complexes. <i>Chemical Communications</i> , 2019, 55, 11474-11477.	2.2	20
22	Designing carbon fiber composite interfaces using a "graft-to" approach: Surface grafting density versus interphase penetration. <i>Carbon</i> , 2019, 146, 88-96.	5.4	56
23	A Review of Solvate Ionic Liquids: Physical Parameters and Synthetic Applications. <i>Frontiers in Chemistry</i> , 2019, 7, 263.	1.8	74
24	Simultaneously increasing the hydrophobicity and interfacial adhesion of carbon fibres: a simple pathway to install passive functionality into composites. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13483-13494.	5.2	43
25	Phosphorus-Based α -Amino Acid Mimetic for Enhanced Flame-Retardant Properties in an Epoxy Resin. <i>Australian Journal of Chemistry</i> , 2019, 72, 226-232.	0.5	3
26	Enhancing interfacial shear strength via surface grafting of carbon fibers using the Kolbe decarboxylation reaction. <i>Composites Science and Technology</i> , 2018, 159, 135-141.	3.8	35
27	Synergistic interfacial effects of ionic liquids as sizing agents and surface modified carbon fibers. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4504-4514.	5.2	48
28	Effect of Tow Size and Interface Interaction on Interfacial Shear Strength Determined by Iosipescu (V-Notch) Testing in Epoxy Resin. <i>Materials</i> , 2018, 11, 1786.	1.3	6
29	Modification of Carbon Fibre Surfaces by Sulfur-Fluoride Exchange Click Chemistry. <i>ChemPhysChem</i> , 2018, 19, 3176-3181.	1.0	28
30	Comparison of solvate ionic liquids and DMSO as an in vivo delivery and storage media for small molecular therapeutics. <i>BMC Biotechnology</i> , 2018, 18, 32.	1.7	4
31	An efficient high-throughput grafting procedure for enhancing carbon fiber-to-matrix interactions in composites. <i>Chemical Engineering Journal</i> , 2018, 353, 373-380.	6.6	50
32	Synthesis of α -aminophosphonates using solvate ionic liquids. <i>RSC Advances</i> , 2017, 7, 27900-27904.	1.7	29
33	Solvate Ionic Liquids as Reaction Media for Electrocyclic Transformations. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 913-917.	1.2	27
34	Determination of Kamlet-Taft parameters for selected solvate ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 13153-13157.	1.3	34
35	A study on acute toxicity and solvent capacity of solvate ionic liquids in vivo using a zebrafish model (<i>Danio rerio</i>). <i>New Journal of Chemistry</i> , 2016, 40, 6599-6603.	1.4	11
36	Ion-Tagged Prolinamide Organocatalysts for the Direct Aldol Reaction On-Water. <i>Catalysis Letters</i> , 2016, 146, 212-219.	1.4	7