

William H Daly

List of Publications by Year in descending order

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35
papers

668
citations

516710

16
h-index

580821

25
g-index

38
all docs

38
docs citations

38
times ranked

832
citing authors

#	ARTICLE	IF	CITATIONS
1	Biocomposite films prepared from ionic liquid solutions of chitosan and cellulose. <i>Carbohydrate Polymers</i> , 2012, 87, 435-443.	10.2	114
2	Recent developments in cellulose grafting chemistry utilizing Barton ester intermediates and nitroxide mediation. <i>Macromolecular Symposia</i> , 2001, 174, 155-164.	0.7	66
3	Micro-encapsulation of asphalt rejuvenators using melamine-formaldehyde. <i>Construction and Building Materials</i> , 2016, 114, 29-39.	7.2	38
4	Microencapsulation of Calcium Nitrate for Concrete Applications. <i>Transportation Research Record</i> , 2016, 2577, 8-16.	1.9	32
5	Measuring the crack-repair efficiency of steel fiber reinforced concrete beams with microencapsulated calcium nitrate. <i>Construction and Building Materials</i> , 2019, 201, 526-538.	7.2	32
6	Characterization of Crumb Rubber Modifiers after Dispersion in Asphalt Binders. <i>Energy & Fuels</i> , 2019, 33, 2665-2679.	5.1	27
7	Aminopropylcellulose, synthesis and derivatization. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , 1984, 22, 975-984.	0.8	23
8	Synthesis of Novel β -Alkenyl-Glutamate Derivatives Containing a Terminal C=C Double Bond To Produce Polypeptides with Pendent Unsaturation. <i>Macromolecules</i> , 1997, 30, 8081-8084.	4.8	23
9	Influence of support structure on preparation and utilization of polymeric reagents. <i>Die Makromolekulare Chemie</i> , 1979, 2, 3-25.	1.1	22
10	Poly(oxyalkylene) grafts to guar gum with applications in hydraulic fracturing fluids. <i>Polymers for Advanced Technologies</i> , 2006, 17, 679-681.	3.2	21
11	Hydrophobic guar gum derivatives prepared by controlled grafting processes. <i>Polymers for Advanced Technologies</i> , 2007, 18, 652-659.	3.2	20
12	Synthesis of poly (vinylcatechols). <i>Journal of Polymer Science, Polymer Symposia</i> , 1986, 74, 227-242.	0.1	20
13	New Approach to Recycling Asphalt Shingles in Hot-Mix Asphalt. <i>Journal of Materials in Civil Engineering</i> , 2012, 24, 1403-1411.	2.9	20
14	Asphalt mixtures containing RAS and/or RAP: relationships amongst binder composition analysis and mixture intermediate temperature cracking performance. <i>Road Materials and Pavement Design</i> , 2017, 18, 209-234.	4.0	19
15	Hybrid Polymer/Clay Nanocomposites: Effect of Clay Size on the Structure of Multilayered Films. <i>Macromolecular Materials and Engineering</i> , 2008, 293, 651-656.	3.6	18
16	Monolayer properties of a fuzzy rod polymer: Poly(β -stearyl β -L-glutamate). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1996, 34, 3025-3034.	2.1	17
17	Modification of Condensation Polymers. <i>ACS Symposium Series</i> , 1988, , 4-23.	0.5	16
18	Influence of quaternary ammonium salts on cellulose benzylation. <i>Journal of Polymer Science, Polymer Letters Edition</i> , 1979, 17, 55-63.	0.4	14

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19	Polymer/Clay Nanocomposites: Influence of Ionic Strength on the Structure and Adhesion Characteristics in Multilayered Films. <i>Macromolecular Materials and Engineering</i> , 2008, 293, 771-780.	3.6	14
20	Characterization of Asphalt Cements Modified with Crumb Rubber from Discarded Tires. <i>Transportation Research Record</i> , 1997, 1583, 37-44.	1.9	13
21	Hydrophobic guar gum derivatives prepared by controlled grafting processesâ€œPart II: rheological and degradation properties toward fracturing fluids applications. <i>Polymers for Advanced Technologies</i> , 2007, 18, 660-672.	3.2	12
22	Binder composition and intermediate temperature cracking performance of asphalt mixtures containing RAS. <i>Road Materials and Pavement Design</i> , 2015, 16, 275-295.	4.0	12
23	Effect of Ionic Species on the Structures and Properties of Saltâ€œContaining PEO/Montmorillonite Nanocomposites. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 2320-2330.	2.2	11
24	Î»-Benzyl-L-Glutamate Graft Copolymers of Cellulose and Poly[Arylene Ether Sulfone]. <i>Journal of Macromolecular Science Part A, Chemistry</i> , 1988, 25, 705-727.	0.3	10
25	Aliphatic-aromatic copolycarbonates derived from 2,2,4,4-tetramethyl-1,3-cyclobutanediol. <i>Journal of Polymer Science Part A</i> , 1995, 33, 2317-2327.	2.3	10
26	Elongational Rheology of Polymer/Clay Dispersions: Determination of Orientational Extent in Elongational Flow Processes. <i>Macromolecular Materials and Engineering</i> , 2008, 293, 303-309.	3.6	10
27	Synthesis and Characterization of Complex Mixtures Consisting of Cyclic and Linear Polyamides from Ethyl<i>Bis</i>-Ketal Galactarates. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2013, 50, 940-952.	2.2	9
28	Grafting of a â€œlivingâ€œ-polyamine on cellulose derivatives. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1983, 4, 589-594.	1.1	8
29	NMR Characterization of Substituted Aromatic Poly (Ether Sulofone)s. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1996, 33, 275-290.	2.2	7
30	Polyarylsulfonimides. <i>Journal of Polymer Science Part B: Polymer Letters</i> , 1972, 10, 519-525.	0.9	5
31	FUNCTIONALIZATION OF CELLULOSE AND CHITOSAN IN IONIC LIQUIDS. <i>Cellulose Chemistry and Technology</i> , 2020, 54, 857-868.	1.2	3
32	Covalent Binding of Trypsin to Hydrogels. <i>ACS Symposium Series</i> , 1982, , 133-148.	0.5	1
33	Pacific Polymer Federation: A Model for International Cooperation. <i>ACS Symposium Series</i> , 2015, , 97-102.	0.5	1
34	Influence of Cationic Cellulose Structure on Interactions with Sodium Dodecyl Sulfate. <i>ACS Symposium Series</i> , 1999, , 214-233.	0.5	0
35	The Crystal Structure of the Cyclic Pentamer of 1â€œtertâ€œButylaziridine. <i>Bulletin Des SociÃ©tÃ©s Chimiques Belges</i> , 1984, 93, 133-138.	0.0	0