

Juha P Heiskanen

List of Publications by Year in descending order

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946
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#	ARTICLE	IF	CITATIONS
1	Renewable Furfural-Based Polyesters Bearing Sulfur-Bridged Difuran Moieties with High Oxygen Barrier Properties. <i>Biomacromolecules</i> , 2022, 23, 1803-1811.	2.6	10
2	Weathering of furan and 2,2- ϵ -bifuran polyester and copolyester films. <i>Polymer Degradation and Stability</i> , 2022, 200, 109960.	2.7	7
3	Furfural-Based Modification of PET for UV-Blocking Copolymers with Decreased Oxygen Permeability. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 7495-7504.	1.8	13
4	Analogues of TIQ-A as inhibitors of human mono-ADP-ribosylating PARPs. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 52, 116511.	1.4	7
5	Room-temperature dissolution and chemical modification of cellulose in aqueous tetraethylammonium hydroxide ϵ -carbamide solutions. <i>Cellulose</i> , 2020, 27, 1933-1950.	2.4	34
6	Utilizing Furfural-Based Bifuran Diester as Monomer and Comonomer for High-Performance Bioplastics: Properties of Poly(butylene furanoate), Poly(butylene bifuranoate), and Their Copolyesters. <i>Biomacromolecules</i> , 2020, 21, 743-752.	2.6	52
7	Derivatives of a PARP Inhibitor TIQ-A through the Synthesis of 8-Alkoxythieno[2,3-c]isoquinolin-5(4H)-ones. <i>ACS Omega</i> , 2020, 5, 13447-13453.	1.6	3
8	Application of Furan-Based Dicarboxylic Acids in Bio-Derived Dimethacrylate Resins. <i>ACS Applied Polymer Materials</i> , 2020, 2, 3215-3225.	2.0	23
9	Carbamation of Starch with Amine Using Dimethyl Carbonate as Coupling Agent. <i>ACS Omega</i> , 2019, 4, 15702-15710.	1.6	7
10	UV-Blocking Synthetic Biopolymer from Biomass-Based Bifuran Diester and Ethylene Glycol. <i>Macromolecules</i> , 2018, 51, 1822-1829.	2.2	53
11	Carboxymethyl Chitosan and Its Hydrophobically Modified Derivative as pH-Switchable Emulsifiers. <i>Langmuir</i> , 2018, 34, 2800-2806.	1.6	65
12	Sodium salt of oleoyl carboxymethyl chitosan: A sustainable adsorbent in the oil spill treatment. <i>Journal of Cleaner Production</i> , 2018, 170, 339-350.	4.6	46
13	Carbazole-based small molecule electron donors: Syntheses, characterization, and material properties. <i>Dyes and Pigments</i> , 2018, 150, 79-88.	2.0	9
14	The pH sensitive properties of carboxymethyl chitosan nanoparticles cross-linked with calcium ions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 153, 229-236.	2.5	112
15	Effectiveness of N,O-carboxymethyl chitosan on destabilization of Marine Diesel, Diesel and Marine-2T oil for oil spill treatment. <i>Carbohydrate Polymers</i> , 2017, 167, 326-336.	5.1	58
16	Synthesis of Alkaline ϵ -Soluble Cellulose Methyl Carbamate Using a Reactive Deep Eutectic Solvent. <i>ChemSusChem</i> , 2017, 10, 455-460.	3.6	45
17	UV-absorbing cellulose nanocrystals as functional reinforcing fillers in polymer nanocomposite films. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6368-6375.	5.2	85
18	Palladium catalyzed direct coupling of 5-bromo-2-furaldehyde with furfural and thiophene derivatives. <i>Tetrahedron Letters</i> , 2016, 57, 5012-5016.	0.7	3

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19	Synthesis of Benzothiadiazole Derivatives by Applying C-C Cross-Couplings. <i>Journal of Organic Chemistry</i> , 2016, 81, 1535-1546.	1.7	40
20	Aryl end-capped quaterthiophenes applied as anode interfacial layers in inverted organic solar cells. <i>Thin Solid Films</i> , 2015, 574, 196-206.	0.8	6
21	Spectroscopic study of a synthesized Alq ₃ end-capped oligothiophene applied in organic solar cells. <i>RSC Advances</i> , 2014, 4, 8846-8855.	1.7	7
22	The effect of diketopyrrolopyrrole (DPP) group inclusion in p-cyanophenyl end-capped oligothiophene used as a dopant in P3HT:PCBM BHJ solar cells. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 1456-1468.	1.6	5
23	Amphiphilic Cellulose Nanocrystals from Acid-Free Oxidative Treatment: Physicochemical Characteristics and Use as an Oil-in-Water Stabilizer. <i>Biomacromolecules</i> , 2014, 15, 2769-2775.	2.6	110
24	Synthesis and characterization of tris-(5-amino-8-hydroxyquinoline)aluminum complexes and their use as anode buffer layers in inverted organic solar cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 22971.	6.7	25
25	Organometallic tris(8-hydroxyquinoline)aluminum complexes as buffer layers and dopants in inverted organic solar cells. <i>Thin Solid Films</i> , 2012, 520, 4475-4481.	0.8	13
26	Fused Alq ₃ derivatives: syntheses and photophysical characteristics. <i>Journal of Materials Chemistry</i> , 2011, 21, 14766.	6.7	13
27	4-Aryl-8-hydroxyquinolines from 4-chloro-8-tosyloxyquinoline using a Suzuki-Miyaura cross-coupling approach. <i>Tetrahedron</i> , 2009, 65, 518-524.	1.0	24
28	Absorption and photoluminescence properties of 4-substituted Alq ₃ derivatives and tris-(4-hydroxypyridinoanthrene)aluminum. <i>Tetrahedron</i> , 2009, 65, 8244-8249.	1.0	11
29	Synthesis of 8-hydroxyquinolines with amino and thioalkyl functionalities at position 4. <i>Journal of Heterocyclic Chemistry</i> , 2008, 45, 593-595.	1.4	14
30	Synthesis of 4-Alkoxy-8-hydroxyquinolines. <i>Journal of Organic Chemistry</i> , 2007, 72, 920-922.	1.7	19
31	Grafting of functionalized silica particles with poly(acrylic acid). <i>Polymers for Advanced Technologies</i> , 2006, 17, 426-429.	1.6	27