

Kevin J T Noonan

List of Publications by Year in descending order

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43
papers

2,164
citations

279798

23
h-index

265206

42
g-index

48
all docs

48
docs citations

48
times ranked

2084
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphonium-Functionalized Polyethylene: A New Class of Base-Stable Alkaline Anion Exchange Membranes. <i>Journal of the American Chemical Society</i> , 2012, 134, 18161-18164.	13.7	425
2	Alkaline-stable anion exchange membranes: A review of synthetic approaches. <i>Progress in Polymer Science</i> , 2020, 100, 101177.	24.7	250
3	Electrocatalysis in Alkaline Media and Alkaline Membrane-Based Energy Technologies. <i>Chemical Reviews</i> , 2022, 122, 6117-6321.	47.7	195
4	A Lanthanide Phosphinidene Complex: Synthesis, Structure, and Phospha-Wittig Reactivity. <i>Journal of the American Chemical Society</i> , 2008, 130, 2408-2409.	13.7	144
5	Phosphorus-Containing Block Copolymer Templates Can Control the Size and Shape of Gold Nanostructures. <i>Journal of the American Chemical Society</i> , 2008, 130, 12876-12877.	13.7	88
6	Ambient-Temperature Living Anionic Polymerization of Phosphaalkenes: Homopolymers and Block Copolymers with Controlled Chain Lengths. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7271-7274.	13.8	86
7	Towards sustainable polymer chemistry with homogeneous metal-based catalysts. <i>Green Chemistry</i> , 2014, 16, 1673-1686.	9.0	80
8	Conjugated Polymers with Repeated Sequences of Group 16 Heterocycles Synthesized through Catalyst-Transfer Polycondensation. <i>Journal of the American Chemical Society</i> , 2016, 138, 6798-6804.	13.7	75
9	Degradation of Organic Cations under Alkaline Conditions. <i>Journal of Organic Chemistry</i> , 2021, 86, 254-263.	3.2	70
10	Diversifying Cross-Coupling Strategies, Catalysts and Monomers for the Controlled Synthesis of Conjugated Polymers. <i>Chemistry - A European Journal</i> , 2018, 24, 13078-13088.	3.3	67
11	Stille Catalyst-Transfer Polycondensation Using PdPEPPSI-Pr for High-Molecular-Weight Regioregular Poly(3-hexylthiophene). <i>Macromolecular Rapid Communications</i> , 2015, 36, 840-844.	3.9	56
12	Tuning Thiophene with Phosphorus: Synthesis and Electronic Properties of Benzobisthiaphospholes. <i>Chemistry - A European Journal</i> , 2014, 20, 7746-7751.	3.3	48
13	Nickel-Catalyzed Suzuki Polycondensation for Controlled Synthesis of Ester-Functionalized Conjugated Polymers. <i>Macromolecules</i> , 2016, 49, 4757-4762.	4.8	46
14	Synthesis of Polyfuran and Thiophene-Furan Alternating Copolymers Using Catalyst-Transfer Polycondensation. <i>ACS Macro Letters</i> , 2016, 5, 332-336.	4.8	44
15	Tetrakis(dialkylamino)phosphonium Polyelectrolytes Prepared by Reversible Addition-Fragmentation Chain Transfer Polymerization. <i>ACS Macro Letters</i> , 2016, 5, 253-257.	4.8	44
16	Photostable Helical Polyfurans. <i>Journal of the American Chemical Society</i> , 2019, 141, 8858-8867.	13.7	38
17	Studying a Slow Polymerization: A Kinetic Investigation of the Living Anionic Polymerization of PC Bonds. <i>Macromolecules</i> , 2008, 41, 1961-1965.	4.8	34
18	Synthesis of Thiophene 1,1-Dioxides and Tuning Their Optoelectronic Properties. <i>Organic Letters</i> , 2013, 15, 5230-5233.	4.6	31

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19	Rapid Analysis of Tetrakis(dialkylamino)phosphonium Stability in Alkaline Media. <i>Organometallics</i> , 2017, 36, 4038-4046.	2.3	30
20	Redox-active iron-containing polymers: synthesis and anionic polymerization of a C-ferrocenyl-substituted phosphalkene. <i>Chemical Communications</i> , 2007, , 3658.	4.1	29
21	Synthetic Tuning of Electronic and Photophysical Properties of 2-Aryl-1,3-Benzothiaphospholes. <i>Journal of Organic Chemistry</i> , 2013, 78, 7462-7469.	3.2	29
22	Chain-Growth Polymerization of Benzotriazole Using Suzuki-Miyaura Cross-Coupling and Dialkylbiarylphosphine Palladium Catalysts. <i>ACS Macro Letters</i> , 2020, 9, 1357-1362.	4.8	28
23	Exploring the Effects of Bulky Cations Tethered to Semicrystalline Polymers: The Case of Tetraaminophosphoniums with Ring-Opened Polynorbornenes. <i>Macromolecules</i> , 2020, 53, 8509-8518.	4.8	20
24	Molecular studies of the initiation and termination steps of the anionic polymerization of P=C bonds. <i>Canadian Journal of Chemistry</i> , 2007, 85, 1045-1052.	1.1	18
25	Impact of Precise Control over Microstructure in Thiophene-Selenophene Copolymers. <i>Macromolecules</i> , 2018, 51, 9494-9501.	4.8	17
26	Elucidating the Role of Diphosphine Ligand in Nickel-Mediated Suzuki-Miyaura Polycondensation. <i>Macromolecules</i> , 2018, 51, 5911-5917.	4.8	16
27	Multiblock Copolymer Anion-Exchange Membranes Derived from Vinyl Addition Polynorbornenes. <i>ACS Applied Energy Materials</i> , 2021, 4, 10273-10279.	5.1	15
28	Chemical functionality of poly(methylenephosphine): phosphine-borane adducts and methylphosphonium ionomers. <i>Dalton Transactions</i> , 2008, , 4451.	3.3	14
29	Gene expression and activity of methionine converting enzymes in broiler chickens fed methionine isomers or precursors. <i>Poultry Science</i> , 2018, 97, 2053-2063.	3.4	14
30	Pairing Suzuki-Miyaura cross-coupling and catalyst transfer polymerization. <i>Polymer Chemistry</i> , 2021, 12, 1404-1414.	3.9	12
31	Design, synthesis, and properties of a six-membered oligofuran macrocycle. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1775-1782.	4.5	12
32	Anion-exchange membranes derived from main group and metal-based cations. <i>Polymer</i> , 2022, 249, 124811.	3.8	11
33	Inorganic and organometallic polymers. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2008, 104, 394.	0.8	10
34	Atom transfer versus catalyst transfer: Deviations from ideal Poisson behavior in controlled polymerizations. <i>Polymer</i> , 2015, 72, 226-237.	3.8	8
35	Chemoselective Rhodium-Catalyzed Borylation of Bromiodoarenes Under Mild Conditions. <i>Journal of Organic Chemistry</i> , 2020, 85, 6770-6777.	3.2	8
36	A robust nickel catalyst with an unsymmetrical propyl-bridged diphosphine ligand for catalyst-transfer polymerization. <i>Polymer Journal</i> , 2020, 52, 83-92.	2.7	7

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37	Inorganic and organometallic polymers. Annual Reports on the Progress of Chemistry Section A, 2007, 103, 407.	0.8	5
38	Stability and Reactivity of 1,3-Benzothiaphosphole: Metalation and Diels-Alder Chemistry. Organometallics, 2015, 34, 5366-5373.	2.3	5
39	Electron-Poor Thiophene 1,1-Dioxides: Synthesis, Characterization, and Application as Electron Relays in Photocatalytic Hydrogen Generation. Chemistry - A European Journal, 2015, 21, 11517-11524.	3.3	4
40	Investigating the impact of regiochemistry in ester functionalized polyfurans. Journal of Polymer Science, 0, , .	3.8	2
41	Frontispiece: Diversifying Cross-Coupling Strategies, Catalysts and Monomers for the Controlled Synthesis of Conjugated Polymers. Chemistry - A European Journal, 2018, 24, .	3.3	1
42	Advances in Cryo-Electron Microscopy for Understanding Energy Materials. Microscopy and Microanalysis, 2020, 26, 1648-1650.	0.4	1
43	Polymerization Reactions via Cross Coupling. , 2021, , .		0