Aikaterini K Andreopoulou

List of Publications by Year
in descending order

58	929	430442	500791
papers	citations	18 h-index	28 g-index

59	59	59	1036
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Novel Proton-Conducting Polyelectrolyte Composed of an Aromatic Polyether Containing Main-Chain Pyridine Units for Fuel Cell Applications. Chemistry of Materials, 2003, 15, 5044-5050.	3.2	93
2	From Terphenyl-Dendronized Macromonomers to Aromaticâ"Aliphatic Polyethers Bearing Two Pendant Dendrons per Repeating Unit. Macromolecules, 2002, 35, 5808-5815.	2.2	46
3	Incorporation of low molecular weight biocides into polystyreneâ€"divinyl benzene beads with controlled release characteristics. Journal of Controlled Release, 2005, 102, 223-233.	4.8	45
4	Synthesis and Optical Properties of New End-Functionalized Polyquinolines. Chemistry of Materials, 2005, 17, 1063-1071.	3.2	43
5	Supramolecular Spheres Self-Assembled from Conical Dendrons Are Chiral. Journal of the American Chemical Society, 2019, 141, 6162-6166.	6.6	42
6	Dendronized Rigidâ"Flexible Macromolecular Architectures:Â Syntheses, Structure, and Properties in Bulk. Macromolecules, 2004, 37, 3576-3587.	2.2	38
7	Phosphonated fully aromatic polyethers for PEMFCs applications. Journal of Polymer Science Part A, 2010, 48, 2817-2827.	2.5	34
8	Cross-linked high temperature polymer electrolytes through oxadiazole bond formation and their applications in HT PEMfuel cells. Journal of Materials Chemistry A, 2013, 1, 1613-1622.	5.2	34
9	Side-chain terpyridine polymers through atom transfer radical polymerization and their ruthenium complexes. Journal of Polymer Science Part A, 2005, 43, 4838-4848.	2.5	32
10	Demonstrating the 8₁-Helicity and Nanomechanical Function of Self-Organizable Dendronized Polymethacrylates and Polyacrylates. Macromolecules, 2017, 50, 5271-5284.	2.2	32
11	Crosslinked wholly aromatic polyether membranes based on quinoline derivatives and their application in high temperature polymer electrolyte membrane fuel cells. Journal of Power Sources, 2018, 379, 144-154.	4.0	32
12	The effect of structural variations on aromatic polyethers for highâ€temperature PEM fuel cells. Journal of Polymer Science Part A, 2011, 49, 4325-4334.	2.5	26
13	Polymer and Hybrid Electron Accepting Materials Based on a Semiconducting Perfluorophenylquinoline. Macromolecules, 2010, 43, 4827-4828.	2.2	23
14	An â€œAttachment Through Coordinationâ€•Approach to Side Chain Dendritic Polymers. European Journal of Organic Chemistry, 2005, 2005, 4448-4458.	1.2	21
15	An alternative methodology for anchoring organic sensitizers onto TiO₂ semiconductors for photoelectrochemical applications. Journal of Materials Chemistry A, 2014, 2, 20748-20759.	5.2	21
16	Carbon nanotubes decorated with terpyridineâ€ruthenium complexes. Journal of Polymer Science Part A, 2009, 47, 2551-2559.	2.5	20
17	Quinoline-functionalized cross-linked poly(vinyl acetate) and poly(vinyl alcohol) nanoparticles as potential pH-responsive luminescent sensors. Sensors and Actuators B: Chemical, 2015, 211, 235-244.	4.0	20
18	Spectral engineering of semi-transparent dye-sensitized solar cells using new triphenylamine-based dyes and an iodine-free electrolyte for greenhouse-oriented applications. Journal of Power Sources, 2021, 496, 229842.	4.0	19

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19	A versatile approach for creating hybrid semiconducting polymerâ€“fullerene architectures for organic electronics. Journal of Materials Chemistry A, 2014, 2, 8110.	5.2	18
20	A comprehensive study of the optical properties of emitting polymers for efficient flexible OLED devices. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 2947-2953.	0.8	17
21	Crosslinked polymer electrolytes of high pyridine contents for HT-PEM fuel cells. International Journal of Hydrogen Energy, 2020, 45, 35053-35063.	3.8	17
22	A Di-Carbazole-Based Dye as a Potential Sensitizer for Greenhouse-Integrated Dye-Sensitized Solar Cells. Energies, 2021, 14, 1159.	1.6	16
23	Effect of Structural Parameters on the Supramolecular Organization of Rigid-Flexible Polymers. Macromolecular Chemistry and Physics, 2005, 206, 66-76.	1.1	15
24	Substituted pyridine-quinoline ligands as building blocks for neutral rhodium(III) complexes. Synthesis, structural characterization studies and anti-platelet activity towards the Platelet-Activating Factor (PAF). Polyhedron, 2020, 178, 114336.	1.0	15
25	Role of main chain rigidity and side-chain substitution on the supramolecular organization of rigidâ€“flexible polymers. Polymer, 2006, 47, 7241-7250.	1.8	14
26	Organic dyes end-capped with perfluorophenyl anchors: Synthesis, electrochemical properties and assessment of sensitization capacity of titania photoanodes. Dyes and Pigments, 2018, 148, 167-179.	2.0	14
27	Raman spectroscopy of single wall carbon nanotubes functionalized with terpyridineâ€“ruthenium complexes. Physica Status Solidi (B): Basic Research, 2009, 246, 2721-2723.	0.7	11
28	Endâ€functionalization of semiconducting species with dendronized terpyridineâ€“Ru(II)â€“terpyridine complexes. Journal of Polymer Science Part A, 2009, 47, 1939-1952.	2.5	11
29	A Rutheniumâ€Based Lightâ€Harvesting Antenna Bearing an Anthracene Moiety in Dyeâ€Sensitized Solar Cells. Asian Journal of Organic Chemistry, 2014, 3, 953-962.	1.3	11
30	Synthesis of Polythiopheneâ€“Fullerene Hybrid Additives as Potential Compatibilizers of BHJ Active Layers. Polymers, 2016, 8, 440.	2.0	11
31	Calcite crystallization on oxadiazole-terpyridine copolymer. Journal of Crystal Growth, 2005, 280, 594-601.	0.7	10
32	Direct Observation of Oddâ^'Even Effect in Dilute Polymeric Solutions:â€‰ A Time-Resolved Fluorescence Anisotropy Study. Journal of Physical Chemistry B, 2005, 109, 11538-11543.	1.2	10
33	Processable photonic polymers with controllable properties. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 2485-2491.	2.4	9
34	Fabrication and Study of Whiteâ€Light OLEDs Based on Novel Copolymers with Blue, Yellow, and Red Chromophores. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1800419.	1.2	8
35	Effect of the Chain Length on the Photonic Efficiency of Aromaticâ^'Aliphatic Dendronized Polyethers. Macromolecules, 2004, 37, 1524-1530.	2.2	7
36	Synthesis and characterization of conjugated polymers and their blends for optoelectronic applications. Macromolecular Symposia, 2004, 205, 19-32.	0.4	7

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37	Evaluation of the electronic properties of perfluorophenyl functionalized quinolines and their hybrids with carbon nanostructures. Physical Chemistry Chemical Physics, 2016, 18, 4154-4165.	1.3	7
38	Surface, interface and electronic studies on anthracene derived polymeric thin films for OLED applications. Optical Materials, 2021, 117, 111145.	1.7	7
39	Electron Transporting Perylene Diimide-Based Random Terpolymers with Variable Co-Monomer Feed Ratio: A Route to All-Polymer-Based Photodiodes. Macromolecules, 2022, 55, 672-683.	2.2	7
40	Semiconducting end-perfluorinated P3HTâ€“fullerenic hybrids as potential additives for P3HT/IC‹sub›70‹/sub›BA blends. RSC Advances, 2016, 6, 98306-98316.	1.7	6
41	Copolymers and Hybrids Based on Carbazole Derivatives and Their Nanomorphology Investigation. Nanomaterials, 2019, 9, 133.	1.9	6
42	Metallosupramolecular Side-Chain Polymers and Polyelectrolyte- Metallosupramolecular Surfactant Complexes. Chemistry of Materials, 2009, 21, 2169-2172.	3.2	5
43	Functional semiconductors targeting copolymer architectures and hybrid nanostructures. MRS Communications, 2015, 5, 365-382.	0.8	5
44	Copolymers of ionic liquids with polymeric or metallocomplex chromophores for quasi-solid-state DSSC applications. RSC Advances, 2016, 6, 8256-8266.	1.7	5
45	A â€œRigidâ€“Flexibleâ€•Approach for Processable Perylene Diimide-Based Polymers: Influence of the Specific Architecture on the Morphological, Dielectric, Optical, and Electronic Properties. Journal of Physical Chemistry B, 2020, 124, 5079-5090.	1.2	5
46	Spectroscopic Study of Reinforced Cross-Linked Polymeric Membranes for Fuel Cell Application. ACS Omega, 2020, 5, 15901-15910.	1.6	4
47	Photophysical and Electro-Optical Properties of Copolymers Bearing Blue and Red Chromophores for Single-Layer White OLEDs. Nanomaterials, 2021, 11, 2629.	1.9	4
48	Synthesis of Soluble Mainâ€Chain Poly(Quinolines). Journal of Macromolecular Science - Pure and Applied Chemistry, 2006, 43, 977-988.	1.2	3
49	Optical characterization of organic light-emitting diodes with selective red emission. Materials Today: Proceedings, 2021, 37, A39-A45.	0.9	3
50	Pyridine Containing Aromatic Polyether Membranes. , 2016, , 91-126.		3
51	pH-Responsive Emission of Novel Water-Soluble Polymeric Iridium(III) Complexes. Nanomaterials, 2022, 12, 927.	1.9	3
52	Synthesis, characterization and properties of yellow-light-emitting polyethers containing bis(styryl)anthracene units. , 2015, , .		2
53	Bis-Tridendate Ir(III) Polymer-Metallocomplexes: Hybrid, Main-Chain Polymer Phosphors for Orangeâ€“Red Light Emission. Polymers, 2020, 12, 2976.	2.0	2
54	ZnS deposition on oxadiazoleâ€“terpyridine copolymer. Journal of Applied Polymer Science, 2006, 101, 1913-1918.	1.3	1

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55	Influence of the Molecular Structure on the Properties and Fuel Cell Performance of High Temperature Polymer Electrolyte Membranes. ECS Transactions, 2010, 33, 811-822.	0.3	1
56	Solution-phase molecular recognition of an azafullerene-quinoline dyad by a face-to-face porphyrin-dimer tweezer. RSC Advances, 2020, 10, 31720-31729.	1.7	1
57	Optical and emission properties of terpolymer active materials for white OLEDs (WOLEDs). Materials Today: Proceedings, 2021, 37, A46-A53.	0.9	1
58	Crossâ€Linked High Temperature Polymer Electrolytes. Macromolecular Symposia, 2013, 331-332, 58-64.	0.4	0