

Aikaterini K Andreopoulou

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Electron Transporting Perylene Diimide-Based Random Terpolymers with Variable Co-Monomer Feed Ratio: A Route to All-Polymer-Based Photodiodes. <i>Macromolecules</i> , 2022, 55, 672-683.	2.2	7
2	pH-Responsive Emission of Novel Water-Soluble Polymeric Iridium(III) Complexes. <i>Nanomaterials</i> , 2022, 12, 927.	1.9	3
3	Optical characterization of organic light-emitting diodes with selective red emission. <i>Materials Today: Proceedings</i> , 2021, 37, A39-A45.	0.9	3
4	A Di-Carbazole-Based Dye as a Potential Sensitizer for Greenhouse-Integrated Dye-Sensitized Solar Cells. <i>Energies</i> , 2021, 14, 1159.	1.6	16
5	Spectral engineering of semi-transparent dye-sensitized solar cells using new triphenylamine-based dyes and an iodine-free electrolyte for greenhouse-oriented applications. <i>Journal of Power Sources</i> , 2021, 496, 229842.	4.0	19
6	Surface, interface and electronic studies on anthracene derived polymeric thin films for OLED applications. <i>Optical Materials</i> , 2021, 117, 111145.	1.7	7
7	Optical and emission properties of terpolymer active materials for white OLEDs (WOLEDs). <i>Materials Today: Proceedings</i> , 2021, 37, A46-A53.	0.9	1
8	Photophysical and Electro-Optical Properties of Copolymers Bearing Blue and Red Chromophores for Single-Layer White OLEDs. <i>Nanomaterials</i> , 2021, 11, 2629.	1.9	4
9	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). <i>Polyhedron</i> , 2020, 178, 114336.	1.0	15
10	Crosslinked polymer electrolytes of high pyridine contents for HT-PEM fuel cells. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 35053-35063.	3.8	17
11	Spectroscopic Study of Reinforced Cross-Linked Polymeric Membranes for Fuel Cell Application. <i>ACS Omega</i> , 2020, 5, 15901-15910.	1.6	4
12	Solution-phase molecular recognition of an azafullerene-quinoline dyad by a face-to-face porphyrin-dimer tweezer. <i>RSC Advances</i> , 2020, 10, 31720-31729.	1.7	1
13	Bis-Tridendate Ir(III) Polymer-Metallocomplexes: Hybrid, Main-Chain Polymer Phosphors for Orange-Red Light Emission. <i>Polymers</i> , 2020, 12, 2976.	2.0	2
14	A “Rigid-Flexible” Approach for Processable Perylene Diimide-Based Polymers: Influence of the Specific Architecture on the Morphological, Dielectric, Optical, and Electronic Properties. <i>Journal of Physical Chemistry B</i> , 2020, 124, 5079-5090.	1.2	5
15	Copolymers and Hybrids Based on Carbazole Derivatives and Their Nanomorphology Investigation. <i>Nanomaterials</i> , 2019, 9, 133.	1.9	6
16	Supramolecular Spheres Self-Assembled from Conical Dendrons Are Chiral. <i>Journal of the American Chemical Society</i> , 2019, 141, 6162-6166.	6.6	42
17	Fabrication and Study of White-Light OLEDs Based on Novel Copolymers with Blue, Yellow, and Red Chromophores. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1800419.	1.2	8
18	Crosslinked wholly aromatic polyether membranes based on quinoline derivatives and their application in high temperature polymer electrolyte membrane fuel cells. <i>Journal of Power Sources</i> , 2018, 379, 144-154.	4.0	32

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19	Organic dyes end-capped with perfluorophenyl anchors: Synthesis, electrochemical properties and assessment of sensitization capacity of titania photoanodes. <i>Dyes and Pigments</i> , 2018, 148, 167-179.	2.0	14
20	Demonstrating the 8 ₁ -Helicity and Nanomechanical Function of Self-Organizable Dendronized Polymethacrylates and Polyacrylates. <i>Macromolecules</i> , 2017, 50, 5271-5284.	2.2	32
21	Synthesis of Polythiopheneâ€‘Fullerene Hybrid Additives as Potential Compatibilizers of BHJ Active Layers. <i>Polymers</i> , 2016, 8, 440.	2.0	11
22	Semiconducting end-perfluorinated P3HTâ€‘fullerene hybrids as potential additives for P3HT/IC ₇₀ BA blends. <i>RSC Advances</i> , 2016, 6, 98306-98316.	1.7	6
23	A comprehensive study of the optical properties of emitting polymers for efficient flexible OLED devices. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 2947-2953.	0.8	17
24	Evaluation of the electronic properties of perfluorophenyl functionalized quinolines and their hybrids with carbon nanostructures. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 4154-4165.	1.3	7
25	Copolymers of ionic liquids with polymeric or metallocomplex chromophores for quasi-solid-state DSSC applications. <i>RSC Advances</i> , 2016, 6, 8256-8266.	1.7	5
26	Pyridine Containing Aromatic Polyether Membranes. , 2016, , 91-126.		3
27	Functional semiconductors targeting copolymer architectures and hybrid nanostructures. <i>MRS Communications</i> , 2015, 5, 365-382.	0.8	5
28	Synthesis, characterization and properties of yellow-light-emitting polyethers containing bis(styryl)anthracene units. , 2015, , .		2
29	Quinoline-functionalized cross-linked poly(vinyl acetate) and poly(vinyl alcohol) nanoparticles as potential pH-responsive luminescent sensors. <i>Sensors and Actuators B: Chemical</i> , 2015, 211, 235-244.	4.0	20
30	A Rutheniumâ€‘Based Lightâ€‘Harvesting Antenna Bearing an Anthracene Moiety in Dyeâ€‘Sensitized Solar Cells. <i>Asian Journal of Organic Chemistry</i> , 2014, 3, 953-962.	1.3	11
31	An alternative methodology for anchoring organic sensitizers onto TiO ₂ semiconductors for photoelectrochemical applications. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20748-20759.	5.2	21
32	A versatile approach for creating hybrid semiconducting polymerâ€‘fullerene architectures for organic electronics. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8110.	5.2	18
33	Cross-linked high temperature polymer electrolytes through oxadiazole bond formation and their applications in HT PEMfuel cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1613-1622.	5.2	34
34	Crossâ€‘Linked High Temperature Polymer Electrolytes. <i>Macromolecular Symposia</i> , 2013, 331-332, 58-64.	0.4	0
35	The effect of structural variations on aromatic polyethers for highâ€‘temperature PEM fuel cells. <i>Journal of Polymer Science Part A</i> , 2011, 49, 4325-4334.	2.5	26
36	Phosphonated fully aromatic polyethers for PEMFCs applications. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2817-2827.	2.5	34

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37	Influence of the Molecular Structure on the Properties and Fuel Cell Performance of High Temperature Polymer Electrolyte Membranes. <i>ECS Transactions</i> , 2010, 33, 811-822.	0.3	1
38	Polymer and Hybrid Electron Accepting Materials Based on a Semiconducting Perfluorophenylquinoline. <i>Macromolecules</i> , 2010, 43, 4827-4828.	2.2	23
39	Raman spectroscopy of single wall carbon nanotubes functionalized with terpyridine-ruthenium complexes. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2721-2723.	0.7	11
40	End-functionalization of semiconducting species with dendronized terpyridine-Ru(II)-terpyridine complexes. <i>Journal of Polymer Science Part A</i> , 2009, 47, 1939-1952.	2.5	11
41	Carbon nanotubes decorated with terpyridine-ruthenium complexes. <i>Journal of Polymer Science Part A</i> , 2009, 47, 2551-2559.	2.5	20
42	Metallosupramolecular Side-Chain Polymers and Polyelectrolyte- Metallosupramolecular Surfactant Complexes. <i>Chemistry of Materials</i> , 2009, 21, 2169-2172.	3.2	5
43	Role of main chain rigidity and side-chain substitution on the supramolecular organization of rigid-flexible polymers. <i>Polymer</i> , 2006, 47, 7241-7250.	1.8	14
44	ZnS deposition on oxadiazole-terpyridine copolymer. <i>Journal of Applied Polymer Science</i> , 2006, 101, 1913-1918.	1.3	1
45	Synthesis of Soluble Main-Chain Poly(Quinolines). <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006, 43, 977-988.	1.2	3
46	Calcite crystallization on oxadiazole-terpyridine copolymer. <i>Journal of Crystal Growth</i> , 2005, 280, 594-601.	0.7	10
47	An ϵ -Attachment Through Coordination-Approach to Side Chain Dendritic Polymers. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 4448-4458.	1.2	21
48	Effect of Structural Parameters on the Supramolecular Organization of Rigid-Flexible Polymers. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 66-76.	1.1	15
49	Side-chain terpyridine polymers through atom transfer radical polymerization and their ruthenium complexes. <i>Journal of Polymer Science Part A</i> , 2005, 43, 4838-4848.	2.5	32
50	Direct Observation of Odd-Even Effect in Dilute Polymeric Solutions: A Time-Resolved Fluorescence Anisotropy Study. <i>Journal of Physical Chemistry B</i> , 2005, 109, 11538-11543.	1.2	10
51	Incorporation of low molecular weight biocides into polystyrene-divinyl benzene beads with controlled release characteristics. <i>Journal of Controlled Release</i> , 2005, 102, 223-233.	4.8	45
52	Synthesis and Optical Properties of New End-Functionalized Polyquinolines. <i>Chemistry of Materials</i> , 2005, 17, 1063-1071.	3.2	43
53	Dendronized Rigid-Flexible Macromolecular Architectures: Syntheses, Structure, and Properties in Bulk. <i>Macromolecules</i> , 2004, 37, 3576-3587.	2.2	38
54	Effect of the Chain Length on the Photonic Efficiency of Aromatic-Aliphatic Dendronized Polyethers. <i>Macromolecules</i> , 2004, 37, 1524-1530.	2.2	7

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55	Synthesis and characterization of conjugated polymers and their blends for optoelectronic applications. <i>Macromolecular Symposia</i> , 2004, 205, 19-32.	0.4	7
56	Processable photonic polymers with controllable properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 2485-2491.	2.4	9
57	Novel Proton-Conducting Polyelectrolyte Composed of an Aromatic Polyether Containing Main-Chain Pyridine Units for Fuel Cell Applications. <i>Chemistry of Materials</i> , 2003, 15, 5044-5050.	3.2	93
58	From Terphenyl-Dendronized Macromonomers to Aromatic [^] Aliphatic Polyethers Bearing Two Pendant Dendrons per Repeating Unit. <i>Macromolecules</i> , 2002, 35, 5808-5815.	2.2	46