

Solon P Economopoulos

List of Publications by Year in descending order

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26
papers

1,000
citations

567281

15
h-index

552781

26
g-index

29
all docs

29
docs citations

29
times ranked

1797
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene oxide with covalently linked porphyrin antennae: Synthesis, characterization and photophysical properties. <i>Journal of Materials Chemistry</i> , 2011, 21, 109-117.	6.7	232
2	Exfoliation and Chemical Modification Using Microwave Irradiation Affording Highly Functionalized Graphene. <i>ACS Nano</i> , 2010, 4, 7499-7507.	14.6	150
3	Porphyrin counter anion in imidazolium-modified graphene-oxide. <i>Carbon</i> , 2010, 48, 854-860.	10.3	93
4	Novel Brush-Type Copolymers Bearing Thiophene Backbone and Side Chain Quinoline Blocks. Synthesis and Their Use as a Compatibilizer in Thiophene-Quinoline Polymer Blends. <i>Macromolecules</i> , 2007, 40, 921-927.	4.8	64
5	Functionalized graphene and targeted applications – Highlighting the road from chemistry to applications. <i>Progress in Materials Science</i> , 2020, 114, 100683.	32.8	61
6	Synthesis of a Soluble n-Type Cyano Substituted Polythiophene Derivative: A Potential Electron Acceptor in Polymeric Solar Cells. <i>Journal of Physical Chemistry C</i> , 2007, 111, 10732-10740.	3.1	46
7	Solvent-free microwave-assisted Bingel reaction in carbon nanohorns. <i>Journal of Materials Chemistry</i> , 2009, 19, 7326.	6.7	44
8	Chemical Functionalization of Exfoliated Graphene. <i>Chemistry - A European Journal</i> , 2013, 19, 12930-12936.	3.3	41
9	Photoinduced electron transfer in aqueous carbon nanotube/block copolymer/CdS hybrids: application in the construction of photoelectrochemical cells. <i>Journal of Materials Chemistry</i> , 2009, 19, 8990.	6.7	38
10	Effect of π -linkers on phenothiazine sensitizers for dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2018, 151, 263-271.	3.7	34
11	Size-Dependent Charge Transfer in Blends of PbS Quantum Dots with a Low-Gap Silicon-Bridged Copolymer. <i>Advanced Energy Materials</i> , 2013, 3, 1490-1499.	19.5	29
12	Polymer and Hybrid Electron Accepting Materials Based on a Semiconducting Perfluorophenylquinoline. <i>Macromolecules</i> , 2010, 43, 4827-4828.	4.8	23
13	Multichromophores Onto Graphene: Supramolecular Non-Covalent Approaches for Efficient Light Harvesting. <i>Journal of Physical Chemistry C</i> , 2015, 119, 8046-8053.	3.1	17
14	Fullerene-Coumarin Dyad as a Selective Metal Receptor: Synthesis, Photophysical Properties, Electrochemistry and Ion Binding Studies. <i>Chemistry - A European Journal</i> , 2010, 16, 11969-11976.	3.3	16
15	Molecular recognition of La@C82 endohedral metallofullerene by an isophthaloyl-bridged porphyrin dimer. <i>Tetrahedron Letters</i> , 2010, 51, 5896-5899.	1.4	16
16	Microwave assisted covalent functionalization of C60@SWCNT peapods. <i>Chemical Communications</i> , 2010, 46, 9110.	4.1	16
17	Photovoltaic limitations of BODIPY:fullerene based bulk heterojunction solar cells. <i>Synthetic Metals</i> , 2017, 226, 25-30.	3.9	14
18	2-(2,3,4,5,6-Pentafluorophenyl)-1H-benzo[d]imidazole, a fluorine-rich building block for the preparation of conjugated polymer donors for organic solar cell applications. <i>Polymer Chemistry</i> , 2012, 3, 2236.	3.9	13

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19	New hybrid materials with porphyrin-ferrocene and porphyrin-pyrene covalently linked to single-walled carbon nanotubes. <i>RSC Advances</i> , 2013, 3, 5539.	3.6	13
20	Identifying potential candidates for donor-acceptor copolymers on a series of 4H-1,2,6-thiadiazines: An electrochemical approach. <i>Electrochimica Acta</i> , 2013, 107, 448-453.	5.2	10
21	Solvents for Membrane-Based Post-Combustion CO ₂ Capture for Potential Application in the Marine Environment. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6100.	2.5	10
22	New rod-coil block copolymers consisting of terfluorene segments and electron transporting units as the flexible blocks. <i>European Polymer Journal</i> , 2007, 43, 5065-5075.	5.4	7
23	Synthesis and Optical Properties on a Series of Polyethers Incorporating Terfluorene Segments and Methylene Spacers. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006, 43, 419-431.	2.2	6
24	An Advanced Approach for MgZnAl-LDH Catalysts Synthesis Used in Claisen-Schmidt Condensation. <i>Catalysts</i> , 2022, 12, 759.	3.5	2
25	Synthesis and Characterization of Random Copolymers Combining Terfluorene Segments and Hole or Electron Transporting Moieties. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2007, 44, 923-930.	2.2	1
26	Functionalization of Graphene. <i>World Scientific Series on Carbon Nanoscience</i> , 2012, , 1-54.	0.1	1