

# Michael Arkas

## List of Publications by Year in descending order

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28  
papers

836  
citations

623574

14  
h-index

552653

26  
g-index

30  
all docs

30  
docs citations

30  
times ranked

881  
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic/Inorganic Hybrid Filters Based on Dendritic and Cyclodextrin "Nanosponges" for the Removal of Organic Pollutants from Water. <i>Environmental Science &amp; Technology</i> , 2006, 40, 2771-2777.	4.6	135
2	Removal of some organic pollutants in water employing ceramic membranes impregnated with cross-linked silylated dendritic and cyclodextrin polymers. <i>Water Research</i> , 2007, 41, 476-486.	5.3	118
3	Organic/inorganic hybrid nanospheres based on hyperbranched poly(ethylene imine) encapsulated into silica for the sorption of toxic metal ions and polycyclic aromatic hydrocarbons from water. <i>Journal of Hazardous Materials</i> , 2009, 170, 35-42.	6.5	93
4	Functional Dendrimeric "Nanosponges" for the Removal of Polycyclic Aromatic Hydrocarbons from Water. <i>Chemistry of Materials</i> , 2003, 15, 2844-2847.	3.2	82
5	Organosilicon Dendritic Networks in Porous Ceramics for Water Purification. <i>Chemistry of Materials</i> , 2005, 17, 3439-3444.	3.2	64
6	Alkylated hyperbranched polymers as molecular nanosponges for the purification of water from polycyclic aromatic hydrocarbons. <i>Journal of Applied Polymer Science</i> , 2005, 97, 2299-2305.	1.3	56
7	Covalent attachment of a bioactive hyperbranched polymeric layer to titanium surface for the biomimetic growth of calcium phosphates. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 85-96.	1.7	49
8	Smectic Mesophases from Dihydroxy Derivatives of Quaternary Alkylammonium Salts. <i>Chemistry - A European Journal</i> , 1999, 5, 3202-3207.	1.7	42
9	A novel hybrid sol-gel method for the synthesis of highly porous silica employing hyperbranched poly(ethyleneimine) as a reactive template. <i>Microporous and Mesoporous Materials</i> , 2013, 175, 59-66.	2.2	24
10	Proteolytic activity against the light-harvesting complex and the D1/D2 core proteins of Photosystem II in close association to the light-harvesting complex II trimer. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2002, 1556, 53-64.	0.5	23
11	Functional Dendritic Polymers for the Development of Hybrid Materials for Water Purification. <i>Macromolecular Materials and Engineering</i> , 2010, 295, 883-898.	1.7	22
12	Thermotropic liquid crystalline behaviour of piperazinium and homopiperazinium alkylsulphates. <i>Liquid Crystals</i> , 2002, 29, 1547-1553.	0.9	21
13	Optimization of hybrid hyperbranched polymer/ceramic filters for the efficient absorption of polyaromatic hydrocarbons from water. <i>Journal of Membrane Science</i> , 2008, 311, 128-135.	4.1	20
14	Columnar and smectic self-assembly deriving from non ionic amphiphilic hyperbranched polyethylene imine polymers and induced by hydrogen bonding and segregation into polar and non polar parts. <i>Polymer</i> , 2013, 54, 1114-1122.	1.8	18
15	Catalytic Neutralization of Water Pollutants Mediated by Dendritic Polymers. <i>Nanomaterials</i> , 2022, 12, 445.	1.9	12
16	Two completely different biomimetic reactions mediated by the same matrix producing inorganic/organic/inorganic hybrid nanoparticles. <i>Nano Structures Nano Objects</i> , 2018, 14, 138-148.	1.9	10
17	The role of hydrogen bonds in the mesomorphic behaviour of supramolecular assemblies organized in dendritic architectures. <i>Liquid Crystals Reviews</i> , 2019, 7, 60-105.	1.1	10
18	Dendritic Polymers as Promising Additives for the Manufacturing of Hybrid Organoceramic Nanocomposites with Ameliorated Properties Suitable for an Extensive Diversity of Applications. <i>Nanomaterials</i> , 2021, 11, 19.	1.9	8

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19	Coating of bone implants with silica, hyperbranched polyethyleneimine, and gentamicin prevents development of osteomyelitis in a porcine model. <i>Materialia</i> , 2022, 24, 101473.	1.3	8
20	Liquid crystals derived from multi-cationic azamacrocyclic alkylsulphates. <i>Liquid Crystals</i> , 2004, 31, 207-213.	0.9	6
21	Lamellar Tetragonal Symmetry of Amphiphilic Thermotropic Ionic Liquid Crystals in the Framework of Other Closely Related Highly Ordered Structures. <i>Symmetry</i> , 2022, 14, 394.	1.1	4
22	Additional data on the investigation of the reaction mechanisms for the production of silica hyperbranched polyethylene imine silver nanoparticle composites. <i>Data in Brief</i> , 2022, 43, 108374.	0.5	4
23	Mimicking the behaviour of rigid rod molecules. Smectic H liquid crystals from amphiphilic quaternary ammonium salts. <i>Liquid Crystals</i> , 2018, 45, 70-83.	0.9	3
24	Thermal Spray Multilayer Ceramic Structures with Potential for Solid Oxide Cell Applications. <i>Coatings</i> , 2021, 11, 682.	1.2	2
25	Hybrid Organic/Inorganic Materials Based on Functionalized Dendritic Polymers: Methods of Preparation, Applications and Future Prospects. <i>Journal of Material Science &amp; Engineering</i> , 2012, 01, .	0.2	1
26	Smectic Mesophases from Dihydroxy Derivatives of Quaternary Alkylammonium Salts. <i>Chemistry - A European Journal</i> , 1999, 5, 3202-3207.	1.7	1
27	Effects of Hydrogen-Bonding on the Liquid Crystalline Properties of Dendritic Polymers. , 2016, , 173-194.		0
28	Dendritic Polymerâ€™Enhanced Ultrafiltration. , 2019, , 111-152.		0