Frederic Guittard

List of Publications by Year
in descending order

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Version: 2024-02-01

268 papers	8,959 citations	71004 43 h-index	60403 85 g-index
283 all docs	283 docs citations	283 times ranked	9192 citing authors

#	Article	IF	Citations
1	Recent advances in designing superhydrophobic surfaces. Journal of Colloid and Interface Science, 2013, 402, 1-18.	5.0	609
2	Superhydrophobic and superoleophobic properties in nature. Materials Today, 2015, 18, 273-285.	8.3	518
3	Recent advances in the potential applications of bioinspired superhydrophobic materials. Journal of Materials Chemistry A, 2014, 2, 16319-16359.	5.2	490
4	Chemical and Physical Pathways for the Preparation of Superoleophobic Surfaces and Related Wetting Theories. Chemical Reviews, 2014, 114, 2694-2716.	23.0	466
5	Glycerol carbonate as a versatile building block for tomorrow: synthesis, reactivity, properties and applications. Green Chemistry, 2013, 15, 283-306.	4.6	428
6	Superhydrophobic Surfaces by Electrochemical Processes. Advanced Materials, 2013, 25, 1378-1394.	11.1	395
7	Wettability of conducting polymers: From superhydrophilicity to superoleophobicity. Progress in Polymer Science, 2014, 39, 656-682.	11.8	213
8	Molecular Design of Conductive Polymers To Modulate Superoleophobic Properties. Journal of the American Chemical Society, 2009, 131, 7928-7933.	6.6	187
9	Highly fluorinated thermotropic liquid crystals: an update. Journal of Fluorine Chemistry, 1999, 100, 85-96.	0.9	159
10	Anionic Surfactants and Surfactant Ionic Liquids with Quaternary Ammonium Counterions. Langmuir, 2011, 27, 4563-4571.	1.6	145
11	Covalent Layer-by-Layer Assembled Superhydrophobic Organicâ[~]Inorganic Hybrid Films. Langmuir, 2009, 25, 11073-11077.	1.6	138
12	Branched Hydrocarbon Low Surface Energy Materials for Superhydrophobic Nanoparticle Derived Surfaces. ACS Applied Materials & Interfaces, 2016, 8, 660-666.	4.0	138
13	Superhydrophobic Fiber Mats by Electrodeposition of Fluorinated Poly(3,4-ethyleneoxythiathiophene). Journal of the American Chemical Society, 2011, 133, 15627-15634.	6.6	121
14	Polymerizable semi-fluorinated gemini surfactants designed for antimicrobial materials. Journal of Colloid and Interface Science, 2009, 332, 201-207.	5.0	110
15	Superoleophobic surfaces with short fluorinated chains?. Soft Matter, 2013, 9, 5982.	1.2	108
16	Synthesis of Stable Super Water- and Oil-Repellent Polythiophene Films. Angewandte Chemie - International Edition, 2006, 45, 2251-2254.	7.2	97
17	Superoleophobic behavior of fluorinated conductive polymer films combining electropolymerization and lithography. Soft Matter, 2011, 7, 1053-1057.	1.2	93
18	Fabrication of Superhydrophobic PDMS Surfaces by Combining Acidic Treatment and Perfluorinated Monolayers. Langmuir, 2009, 25, 6448-6453.	1.6	83

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19	Recent advances in the study and design of parahydrophobic surfaces: From natural examples to synthetic approaches. Advances in Colloid and Interface Science, 2017, 241, 37-61.	7.0	81
20	Synthesis and antimicrobial properties of polymerizable quaternary ammoniums. European Journal of Medicinal Chemistry, 2009, 44, 3201-3208.	2.6	80
21	The design of superhydrophobic stainless steel surfaces by controlling nanostructures: A key parameter to reduce the implantation of pathogenic bacteria. Materials Science and Engineering C, 2017, 73, 40-47.	3.8	80
22	Low-Surface Energy Surfactants with Branched Hydrocarbon Architectures. Langmuir, 2014, 30, 3413-3421.	1.6	74
23	Antimicrobial properties of highly fluorinated bis-ammonium salts. International Journal of Antimicrobial Agents, 2003, 21, 20-26.	1.1	71
24	Microwave-assisted synthesis of silver nanoprisms/nanoplates using a â€œmodified polyol processâ€. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 395, 145-151.	2.3	67
25	Hydrocarbon versus Fluorocarbon in the Electrodeposition of Superhydrophobic Polymer Films. Langmuir, 2010, 26, 17596-17602.	1.6	64
26	Stable Superhydrophobic and Lipophobic Conjugated Polymers Films. Langmuir, 2006, 22, 3081-3088.	1.6	62
27	Superhydrophobic Fibrous Polymers. Polymer Reviews, 2013, 53, 460-505.	5.3	61
28	Surface Structuration (Micro and/or Nano) Governed by the Fluorinated Tail Lengths toward Superoleophobic Surfaces. Langmuir, 2012, 28, 186-192.	1.6	60
29	Highly fluorinated molecular organised systems: strategy and concept. Journal of Fluorine Chemistry, 2001, 107, 363-374.	0.9	59
30	Stability of the hydrophilic and superhydrophobic properties of oxygen plasma-treated poly(tetrafluoroethylene) surfaces. Journal of Colloid and Interface Science, 2013, 396, 287-292.	5.0	58
31	Electrodeposited polymer films with both superhydrophobicity and superoleophilicity. Physical Chemistry Chemical Physics, 2008, 10, 4322.	1.3	57
32	Low Fluorine Content CO₂-philic Surfactants. Langmuir, 2011, 27, 10562-10569.	1.6	56
33	Superoleophobic Meshes with High Adhesion by Electrodeposition of Conducting Polymer Containing Short Perfluorobutyl Chains. Journal of Physical Chemistry C, 2014, 118, 2052-2057.	1.5	55
34	A one-step electrodeposition of homogeneous and vertically aligned nanotubes with parahydrophobic properties (high water adhesion). Journal of Materials Chemistry A, 2016, 4, 3197-3203.	5.2	55
35	Hyperbranched Hydrocarbon Surfactants Give Fluorocarbon-like Low Surface Energies. Langmuir, 2014, 30, 6057-6063.	1.6	53
36	Preparation and antimicrobial behaviour of quaternary ammonium thiol derivatives able to be grafted on metal surfaces. European Journal of Medicinal Chemistry, 2009, 44, 717-724.	2.6	52

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37	Synthesis and characterization of copolymers based on styrene and partially fluorinated acrylates. European Polymer Journal, 2006, 42, 702-710.	2.6	51
38	Flagella but not type IV pili are involved in the initial adhesion of Pseudomonas aeruginosa PAO1 to hydrophobic or superhydrophobic surfaces. Colloids and Surfaces B: Biointerfaces, 2015, 131, 59-66.	2.5	50
39	Hybrid Fluorocarbonâ˘'Hydrocarbon CO2-philic Surfactants. 2. Formation and Properties of Water-in-CO2Microemulsions. Langmuir, 2004, 20, 9960-9967.	1.6	49
40	Low Surface Energy Perfluorooctyalkyl Acrylate Copolymers for Surface Modification of PET. Macromolecular Chemistry and Physics, 2005, 206, 1098-1105.	1.1	48
41	Synthesis and Properties of Perfluorinated Conjugated Polymers Based on Polyethylenedioxythiophene, Polypyrrole, and Polyfluorene. Toward Surfaces with Special Wettabilities. Langmuir, 2008, 24, 9739-9746.	1.6	47
42	Versatile Superhydrophobic Surfaces from a Bioinspired Approach. Macromolecules, 2011, 44, 9286-9294.	2.2	46
43	Hybrid Fluorocarbonâ˘'Hydrocarbon CO2-philic Surfactants. 1. Synthesis and Properties of Aqueous Solutions. Langmuir, 2004, 20, 9953-9959.	1.6	45
44	Spontaneous, Phase-Separation Induced Surface Roughness: A New Method to Design Parahydrophobic Polymer Coatings with Rose Petal-like Morphology. ACS Applied Materials & Interfaces, 2016, 8, 3063-3071.	4.0	45
45	Superhydrophobic nanofiber arrays and flower-like structures of electrodeposited conducting polymers. Soft Matter, 2012, 8, 9110.	1.2	44
46	A template-free approach to nanotube-decorated polymer surfaces using 3,4-phenylenedioxythiophene (PhEDOT) monomers. Journal of Materials Chemistry A, 2016, 4, 17308-17323.	5.2	44
47	X-Ray photoelectron spectroscopy study of polycrystalline zinc modified by n-dodecanethiol and 3-perfluorooctyl-propanethiol. Thin Solid Films, 2002, 405, 186-193.	0.8	42
48	Fluorinated comblike homopolymers: The effect of spacer lengths on surface properties. Journal of Polymer Science Part A, 2005, 43, 3737-3747.	2.5	42
49	Fluorophobic Effect for Building up the Surface Morphology of Electrodeposited Substituted Conductive Polymers. Langmuir, 2009, 25, 5463-5466.	1.6	42
50	Connector Ability To Design Superhydrophobic and Oleophobic Surfaces from Conducting Polymers. Langmuir, 2010, 26, 13545-13549.	1.6	40
51	Elaboration of Voltage and Ion Exchange Stimuli-Responsive Conducting Polymers with Selective Switchable Liquid-Repellency. ACS Applied Materials & Interfaces, 2014, 6, 7953-7960.	4.0	40
52	Enhanced activity of fluorinated quaternary ammonium surfactants against Pseudomonas aeruginosa. European Journal of Medicinal Chemistry, 2009, 44, 1615-1622.	2.6	39
53	Super oil-repellent surfaces from conductive polymers. Journal of Materials Chemistry, 2009, 19, 7130.	6.7	39
54	Toxicity assessment of silica nanoparticles, functionalised silica nanoparticles, and HASE-grafted silica nanoparticles. Science of the Total Environment, 2013, 450-451, 120-128.	3.9	39

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55	Preparation and antimicrobial behaviour of gemini fluorosurfactants. European Journal of Medicinal Chemistry, 2003, 38, 519-523.	2.6	37
56	Influence of intrinsic oleophobicity and surface structuration on the superoleophobic properties of PEDOP films bearing two fluorinated tails. Journal of Materials Chemistry A, 2013, 1, 2896.	5.2	37
57	One-Step and Templateless Electropolymerization Process Using Thienothiophene Derivatives To Develop Arrays of Nanotubes and Tree-like Structures with High Water Adhesion. ACS Applied Materials & Interfaces, 2016, 8, 22732-22743.	4.0	36
58	pHâ€•and Voltageâ€Switchable Superhydrophobic Surfaces by Electroâ€Copolymerization of EDOT Derivatives Containing Carboxylic Acids and Long Alkyl Chains. ChemPhysChem, 2013, 14, 2529-2533.	1.0	33
59	Influence of long alkyl spacers in the elaboration of superoleophobic surfaces with short fluorinated chains. RSC Advances, 2013, 3, 5556.	1.7	33
60	Highly Polar Linkers (Urea, Carbamate, Thiocarbamate) for Superoleophobic/Superhydrophobic or Oleophobic/Hydrophilic Properties. Advanced Materials Interfaces, 2015, 2, 1500081.	1.9	33
61	Synthesis and mesomorphic properties of perfluorinated rod-like liquid crystals with sulphur-containing spacers. Liquid Crystals, 1999, 26, 1371-1377.	0.9	32
62	One-pot method for build-up nanoporous super oil-repellent films. Journal of Colloid and Interface Science, 2009, 335, 146-149.	5.0	32
63	Superhydrophobic Surfaces of Electrodeposited Polypyrroles Bearing Fluorinated Liquid Crystalline Segments. Macromolecules, 2010, 43, 9365-9370.	2.2	32
64	New CeO 2 nanoparticles-based topical formulations for the skin protection against organophosphates. Toxicology Reports, 2015, 2, 1007-1013.	1.6	31
65	Analogy of morphology in electrodeposited hydrocarbon and fluorocarbon polymers. RSC Advances, 2013, 3, 647-652.	1.7	30
66	Fluorosurfactants at Structural Extremes:Â Adsorption and Aggregation. Langmuir, 2006, 22, 2034-2038.	1.6	29
67	Self-assembled monolayers of semifluorinated thiols on electrochemically modified polycrystalline nickel surfaces. Thin Solid Films, 2005, 491, 253-259.	0.8	28
68	Texturation and superhydrophobicity of polyethylene terephthalate thanks to plasma technology. Applied Surface Science, 2014, 292, 782-789.	3.1	28
69	Superoleophobic polymers with metal ion affinity toward materials with both oleophobic and hydrophilic properties. Journal of Colloid and Interface Science, 2013, 408, 101-106.	5.0	26
70	Influence of the monomer structure and electrochemical parameters on the formation of nanotubes with parahydrophobic properties (high water adhesion) by a templateless electropolymerization process. Journal of Colloid and Interface Science, 2016, 466, 413-424.	5.0	26
71	Liquid crystal polymers for non-reconstructing fluorinated surfaces. Journal of Materials Chemistry, 2008, 18, 5382.	6.7	25
72	Tunable Surface Nanoporosity by Electropolymerization of <i>N</i>â€Alkylâ€3,4â€ethylenedioxypyrroles With Different Alkyl Chain Lengths. Macromolecular Chemistry and Physics, 2012, 213, 2492-2497.	1.1	25

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73	Highly hydrophobic films with various adhesion by electrodeposition of poly(3,4-bis(alkoxy)thiophene)s. Soft Matter, 2013, 9, 1500-1505.	1.2	25
74	Azidomethyl-EDOT as a Platform for Tunable Surfaces with Nanostructures and Superhydrophobic Properties. Journal of Physical Chemistry B, 2015, 119, 6873-6877.	1.2	25
75	Superpropulsion of Droplets and Soft Elastic Solids. Physical Review Letters, 2017, 119, 108001.	2.9	25
76	Superhydrophobic conducting polymers with switchable water and oil repellency by voltage and ion exchange. RSC Advances, 2014, 4, 3550-3555.	1.7	24
77	Electrodeposition of Polypyrenes with Tunable Hydrophobicity, Water Adhesion, and Fluorescence Properties. Journal of Physical Chemistry C, 2016, 120, 7077-7087.	1.5	24
78	Highly fluorinated monomers precursors of side-chain liquid crystalline polysiloxanes. Journal of Polymer Science Part A, 1999, 37, 4487-4496.	2.5	23
79	Microphasic separation-induced enantiotropic liquid crystal behaviour single phenyl unit series based on the fluorophobic effect. Liquid Crystals, 2003, 30, 663-669.	0.9	23
80	Homogeneous growth of conducting polymer nanofibers by electrodeposition for superhydrophobic and superoleophilic stainless steel meshes. RSC Advances, 2014, 4, 50401-50405.	1.7	23
81	3,4-Ethylenedioxypyrrole (EDOP) Monomers with Aromatic Substituents for Parahydrophobic Surfaces by Electropolymerization. Macromolecules, 2015, 48, 5188-5195.	2.2	23
82	Branched Fluorinated Nonionic Y-Shaped Surfactants. Effect of Molecular Geometry on Liquid Crystalline Phase Behavior. Langmuir, 1996, 12, 6346-6350.	1.6	22
83	Enhancement of the Superoleophobic Properties of Fluorinated PEDOP Using Polar Glycol Spacers. Journal of Physical Chemistry C, 2014, 118, 26912-26920.	1.5	22
84	The Major Influences of Substituent Size and Position of 3,4â€Propylenedioxythiophene on the Formation of Highly Hydrophobic Nanofibers. ChemPlusChem, 2014, 79, 1434-1439.	1.3	22
85	Oneâ€Pot Process to Control the Elaboration of Nonâ€Wetting Nanofibers. Advanced Materials Interfaces, 2014, 1, 1300094.	1.9	22
86	Superhydrophobic (low adhesion) and parahydrophobic (high adhesion) surfaces with micro/nanostructures or nanofilaments. Journal of Colloid and Interface Science, 2015, 453, 42-47.	5.0	22
87	Liquid crystalline semifluorinated ionic dendrimers. Liquid Crystals, 2007, 34, 395-400.	0.9	21
88	Superhydrophobic hollow spheres by electrodeposition of fluorinated poly(3,4-ethylenedithiopyrrole). RSC Advances, 2012, 2, 10899.	1.7	21
89	Spider-web-like fiber toward highly oleophobic fluorinated materials with low bioaccumulative potential. Reactive and Functional Polymers, 2014, 74, 46-51.	2.0	21
90	3,4-Dialkoxypyrrole for the Formation of Bioinspired Rose Petal-like Substrates with High Water Adhesion. Langmuir, 2016, 32, 12476-12487.	1.6	21

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91	Fluorinated acrylic polymers: Surface properties and XPS investigations. Journal of Applied Polymer Science, 2006, 99, 821-827.	1.3	20
92	Superhydrophobic surfaces from 3,4-propylenedioxythiophene (ProDOT) derivatives. European Polymer Journal, 2013, 49, 2267-2274.	2.6	20
93	Superhydrophobic and oleophobic surfaces containing wrinkles and nanoparticles of PEDOT with two short fluorinated chains. RSC Advances, 2014, 4, 10935.	1.7	20
94	Staudinger Vilarassa reaction: A powerful tool for surface modification and superhydrophobic properties. Journal of Colloid and Interface Science, 2015, 457, 72-77.	5.0	20
95	Effect of Fluorocarbon and Hydrocarbon Chain Lengths in Hybrid Surfactants for Supercritical CO₂. Langmuir, 2015, 31, 7479-7487.	1.6	20
96	Reactive-ion etching of nylon fabric meshes using oxygen plasma for creating surface nanostructures. Applied Surface Science, 2015, 356, 408-415.	3.1	20
97	Synthesis and mesomorphic properties of novel [1,2,3]-triazole mesogenic based compounds. Journal of Molecular Structure, 2013, 1034, 22-28.	1.8	19
98	Low bioaccumulative materials for parahygrophobic nanosheets with sticking behaviour. Journal of Colloid and Interface Science, 2015, 447, 167-172.	5.0	19
99	Post-functionalization of plasma treated polycarbonate substrates: An efficient way to hydrophobic, oleophobic plastics. Applied Surface Science, 2016, 387, 28-35.	3.1	19
100	Designing Nanoporous Membranes through Templateless Electropolymerization of Thieno[3,4-<i>b</i>]thiophene Derivatives with High Water Content. ACS Omega, 2019, 4, 13080-13085.	1.6	19
101	Micellar formation by soft template electropolymerization in organic solvents. Journal of Colloid and Interface Science, 2021, 590, 260-267.	5.0	19
102	Convenient synthesis of thiols and disulfides in the polyfluorinated series incorporating a butylic spacer. Tetrahedron Letters, 2000, 41, 2885-2889.	0.7	18
103	Superhydrophobic Conducting Polymers Based on Hydrocarbon Poly(3,4â€Ethylenedioxyselenophene). ChemPhysChem, 2013, 14, 2947-2953.	1.0	18
104	Superhydrophobic surfaces with low and high adhesion made from mixed (hydrocarbon and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 T Physics, 2014, 52, 782-788.	2.4	18
105	Superoleophobic Meshes with Relatively Low Hysteresis and Sliding Angles by Electropolymerization: Importance of Polymerâ€Growth Control. ChemPlusChem, 2014, 79, 382-386.	1.3	18
106	Electrodeposited Poly(thieno[3,2â€<i>b</i>]thiophene) Films for the Templateless Formation of Porous Structures by Galvanostatic and Pulse Deposition. ChemPlusChem, 2017, 82, 1351-1358.	1.3	18
107	Superhydrophobicity of polymer films via fluorine atoms covalent attachment and surface nano-texturing. Journal of Fluorine Chemistry, 2017, 200, 123-132.	0.9	18
108	Coral-like nanostructures. Materials Today, 2019, 31, 119-120.	8.3	18

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109	Influence of the structure of the mesogenic core on the thermotropic properties of Ï‰-unsaturated fluorinated liquid crystals. Liquid Crystals, 2003, 30, 251-257.	0.9	17
110	One methylene unit to control super oil-repellency properties of conducting polymers. Chemical Communications, 2009, , 2210.	2.2	17
111	Surface and antimicrobial properties of semi-fluorinated quaternary ammonium thiol surfactants potentially usable for Self-Assembled Monolayers. Journal of Fluorine Chemistry, 2010, 131, 592-596.	0.9	17
112	One <i>F</i>-Octyl versus Two <i>F</i>-Butyl Chains in Surfactant Aggregation Behavior. Langmuir, 2013, 29, 14815-14822.	1.6	17
113	Highly Oleophobic Properties of PEDOP Polymers with Short Perfluorobutyl Chains Separated by Long Alkyl Spacers and Amido Connectors. Macromolecular Chemistry and Physics, 2013, 214, 2036-2042.	1.1	17
114	Branched versus linear perfluorocarbon chains in the formation of superhydrophobic electrodeposited films with low bioaccumulative potential. Journal of Materials Science, 2014, 49, 7760-7769.	1.7	17
115	Controlling electrodeposited conducting polymer nanostructures with the number and the length of fluorinated chains for adjusting superhydrophobic properties and adhesion. RSC Advances, 2015, 5, 37196-37205.	1.7	17
116	Nanoparticle covered surfaces: An efficient way to enhance superhydrophobic properties. Materials and Design, 2016, 92, 911-918.	3.3	17
117	Anisotropic reversed micelles with fluorocarbon-hydrocarbon hybrid surfactants in supercritical CO2. Colloids and Surfaces B: Biointerfaces, 2018, 168, 201-210.	2.5	17
118	Exceptionally Strong Effect of Small Structural Variations in Functionalized 3,4-Phenylenedioxythiophenes on the Surface Nanostructure and Parahydrophobic Properties of Their Electropolymerized Films. Macromolecules, 2019, 52, 8088-8102.	2.2	17
119	Preparation and Liquid Crystalline Properties of (Hydroxypropyl) cellulose Perfluorooctanoate. Macromolecules, 1994, 27, 6988-6990.	2.2	16
120	Monomers reactivity ratios of fluorinated acrylates-styrene copolymers. Polymer International, 2002, 51, 1058-1062.	1.6	16
121	Novel highly fluorinated sulfamates: Synthesis and evaluation of their surfactant properties. Journal of Colloid and Interface Science, 2008, 326, 235-239.	5.0	16
122	Giant Brainlike Aggregates from New Fluorocarbon/Hydrocarbon Hybrid Cationic Surfactants. Langmuir, 2011, 27, 1668-1674.	1.6	16
123	Effect of hydrocarbon chain branching in the elaboration of superhydrophobic materials by electrodeposition of conducting polymers. Surface and Coatings Technology, 2014, 259, 594-598.	2.2	16
124	Switchable surfaces from highly hydrophobic to highly hydrophilic using covalent imine bonds. Journal of Applied Polymer Science, 2016, 133, .	1.3	16
125	Superhydrophobic properties of electrodeposited fluorinated polypyrenes. Journal of Fluorine Chemistry, 2017, 193, 73-81.	0.9	16
126	Water-in-CO₂ Microemulsions Stabilized by Fluorinated Cationâ€“Anion Surfactant Pairs. Langmuir, 2019, 35, 3445-3454.	1.6	16

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127	Synthesis and properties of new fluorinated ester, thioester, and amide substituted polythiophenes. Towards superhydrophobic surfaces. Journal of Polymer Science Part A, 2007, 45, 4707-4719.	2.5	15
128	Structured biotinylated poly(3,4-ethylenedioxypyrrole) electrodes for biochemical applications. RSC Advances, 2012, 2, 1033-1039.	1.7	15
129	Intrinsically water-repellent copper oxide surfaces; An electro-crystallization approach. Applied Surface Science, 2018, 443, 191-197.	3.1	15
130	The influence of bath temperature on the one-step electrodeposition of non- wetting copper oxide coatings. Applied Surface Science, 2020, 503, 144094.	3.1	15
131	Contact-active microbicidal gold surfaces using immobilization of quaternary ammonium thiol derivatives. European Journal of Medicinal Chemistry, 2009, 44, 4227-4234.	2.6	14
132	Three steps to organicâ€“inorganic hybrid films showing superhydrophilic properties. Soft Matter, 2011, 7, 10057.	1.2	14
133	Wettability of poly(3-alkyl-3,4-propylenedioxythiophene) fibrous structures forming nanoporous, microporous or micro/nanostructured networks. Materials Chemistry and Physics, 2014, 146, 6-11.	2.0	14
134	Highly hydrophobic films with high water adhesion by electrodeposition of poly(3,4-propylenedioxythiophene) containing two alkoxy groups. Colloid and Polymer Science, 2015, 293, 933-940.	1.0	14
135	Superoleophobic/superhydrophobic PEDOP conducting copolymers with dual-responsivity by voltage and ion exchange. Materials Today Communications, 2016, 6, 1-8.	0.9	14
136	Barrier cream based on CeO 2 nanoparticles grafted polymer as an active compound against the penetration of organophosphates. Chemico-Biological Interactions, 2017, 267, 17-24.	1.7	14
137	A travel in the Echeveria genus wettability's world. Applied Surface Science, 2017, 411, 291-302.	3.1	14
138	Direct Electrodeposition of Superhydrophobic and Highly Oleophobic Poly(3,4â€ethylenedioxypyrrole) (PEDOP) and Poly(3,4â€propylenedioxypyrrole) (PProDOP) Nanofibers. ChemNanoMat, 2017, 3, 885-894.	1.5	14
139	Trimethylsilyl hedgehogs â€“ a novel class of super-efficient hydrocarbon surfactants. Physical Chemistry Chemical Physics, 2017, 19, 23869-23877.	1.3	14
140	A Templateless Electropolymerization Approach to Porous Hydrophobic Nanostructures Using 3,4â€Phenylenedioxythiophene Monomers with Electronâ€Withdrawing Groups. ChemNanoMat, 2018, 4, 656-662.	1.5	14
141	Synthesis, characterization and surface wettability of polythiophene derivatives containing semi-fluorinated liquid-crystalline segment. Journal of Fluorine Chemistry, 2012, 134, 85-89.	0.9	13
142	Parahydrophobic Surfaces Made of Intrinsically Hydrophilic PProDOT Nanofibers with Branched Alkyl Chains. Advanced Engineering Materials, 2014, 16, 1400-1405.	1.6	13
143	Elaboration of Superhydrophobic Surfaces containing Nanofibers and Wrinkles with Controllable Water and Oil Adhesion. Macromolecular Materials and Engineering, 2014, 299, 959-965.	1.7	13
144	Superhydrophobic surface properties with various nanofibrous structures by electrodeposition of PEDOT polymers with short fluorinated chains and rigid spacers. Synthetic Metals, 2015, 205, 58-63.	2.1	13

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145	Superhydrophobic, superoleophobic and underwater superoleophobic conducting polymer films. Surface Innovations, 2018, 6, 181-204.	1.4	13
146	Molecular Design of Highly Fluorinated Liquid Crystals. ACS Symposium Series, 2001, , 180-194.	0.5	12
147	Robustness tests on superoleophobic PEDOP films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 433, 47-54.	2.3	12
148	Super liquid-repellent properties of electrodeposited hydrocarbon and fluorocarbon copolymers. RSC Advances, 2013, 3, 10848.	1.7	12
149	Investigation of structureâ€"surface properties relationship of semi-fluorinated polymerizable cationic surfactants. Journal of Colloid and Interface Science, 2013, 408, 125-131.	5.0	12
150	Wetting Transition from Hydrophilic to Superhydrophobic over Dendrite Copper Leaves Grown on Steel Meshes. Journal of Bionic Engineering, 2019, 16, 719-729.	2.7	12
151	Nanotubular structures through templateless electropolymerization using thieno[3,4-b]thiophene derivatives with different substituents and water content. Electrochimica Acta, 2019, 320, 134594.	2.6	12
152	Synthesis and Behavior at the Airâ€"Water Interface of Fluorinated Nonionic Surfactants Containing Two Methylated Polyoxyethylene Moieties. Journal of Colloid and Interface Science, 1996, 177, 101-105.	5.0	11
153	Influence of fluorinated segments of variable length on the thickening properties of a model HASE skeleton. Journal of Applied Polymer Science, 2011, 120, 2685-2692.	1.3	11
154	New fluorinated hybrid organic/inorganic water soluble polymeric network. Polymer, 2013, 54, 6089-6095.	1.8	11
155	Nanostructured superhydrophobic films synthesized by electrodeposition of fluorinated polyindoles. Beilstein Journal of Nanotechnology, 2015, 6, 2078-2087.	1.5	11
156	Switchable and reversible superhydrophobic and oleophobic surfaces by redox response using covalent Sâ€"S bond. Reactive and Functional Polymers, 2015, 96, 44-49.	2.0	11
157	A Templateless Electropolymerization Approach to Nanorings Using Substituted 3,4â€Naphthalenedioxythiophene (NaPhDOT) Monomers. ChemNanoMat, 2018, 4, 140-147.	1.5	11
158	Fabrication of Superhydrophobic Hierarchical Surfaces by Square Pulse Electrodeposition: Copperâ€Based Layers on Gold/Silicon (100) Substrates. ChemPlusChem, 2019, 84, 368-373.	1.3	11
159	Superhydrophobic and fluorescent properties of fluorinated polypyrene surfaces using various polar linkers prepared via electropolymerization. Reactive and Functional Polymers, 2019, 135, 65-76.	2.0	11
160	A soft template approach to various porous nanostructures from conjugated carbazole-based monomers. Journal of Colloid and Interface Science, 2021, 584, 795-803.	5.0	11
161	Synthesis and Thermotropic Liquid Crystal Partially Fluorinated Materials Derived from Biphenyl Incorporating an Ester Connector. Molecular Crystals and Liquid Crystals, 1999, 332, 1-7.	0.3	10
162	Sticky superhydrophobic hard nanofibers from soft matter. RSC Advances, 2014, 4, 35708-35716.	1.7	10

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