Frederic Guittard

List of Publications by Year
in descending order

268 papers	8,959 citations	61984 43 h-index	53230 85 g-index
283 all docs	283 docs citations	283 times ranked	8171 citing authors

#	Article	IF	Citations
1	A bioinspired approach to fabricate fluorescent nanotubes with strong water adhesion by soft template electropolymerization and post-grafting. Journal of Colloid and Interface Science, 2022, 606, 236-247.	9.4	4
2	Effect of Electrolyte Nature on Micellar Soft-Template Electropolymerization in Organic Solvent to Form Nanoporous Polymer Films with a Bioinspired Strategy. Journal of Bionic Engineering, 2022, 19, 547.	5.0	1
3	Formation of Nanotubular Structures with Petal Effect by Soft-Template Electropolymerization of Benzotrithiophene with Hydrophilic Carboxyl Group. Journal of Bionic Engineering, 2022, 19, 1054-1063.	5.0	1
4	A soft template approach to various porous nanostructures from conjugated carbazole-based monomers. Journal of Colloid and Interface Science, 2021, 584, 795-803.	9.4	11
5	Surface Nanostructure Control with Poly(ethylene glycol) (PEG) Spacer by Templateless Electropolymerization. Journal of Bionic Engineering, 2021, 18, 65-76.	5.0	0
6	Densely packed open microspheres by soft template electropolymerization of benzotrithiophene-based monomers. Electrochimica Acta, 2021, 369, 137677.	5.2	5
7	Micellar formation by soft template electropolymerization in organic solvents. Journal of Colloid and Interface Science, 2021, 590, 260-267.	9.4	19
8	Controlling water adhesion on superhydrophobic surfaces with bi-functional polymers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 616, 126307.	4.7	4
9	Highly conjugated carbazole-based monomers for the control of nanotubular surface structures by soft template electropolymerization. Pure and Applied Chemistry, 2021, .	1.9	1
10	Designing Tunable Omniphobic Surfaces by Controlling the Electropolymerization Sites of Carbazoleâ€Based Monomers. Macromolecular Chemistry and Physics, 2021, 222, 2100262.	2.2	0
11	Very low surface tensions with â€œHedgehogâ€•surfactants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 631, 127690.	4.7	3
12	Nanotubular structures via templateless electropolymerization using thieno[3,4-b]thiophene monomers with various substituents and polar linkers. Progress in Organic Coatings, 2020, 138, 105382.	3.9	5
13	The influence of bath temperature on the one-step electrodeposition of non- wetting copper oxide coatings. Applied Surface Science, 2020, 503, 144094.	6.1	15
14	Tuning nanotubular structures by templateless electropolymerization with thieno[3,4-b]thiophene-based monomers with different substituents and water content. Journal of Colloid and Interface Science, 2020, 564, 19-27.	9.4	7
15	Influence of alkyl spacer in nanostructure shape control by templateless electropolymerization. Progress in Organic Coatings, 2020, 146, 105698.	3.9	3
16	Bioinspired surfaces with strong water adhesion from electrodeposited poly(thieno[3,4-b]thiophene) with various branched alkyl chains. Journal of Polymer Research, 2020, 27, 1.	2.4	1
17	A bioinspired strategy for designing well-ordered nanotubular structures by templateless electropolymerization of thieno[3,4- <i>b</i>]thiophene-based monomers. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190450.	3.4	7
18	Bioinspired surfaces with strong water adhesion by electropolymerization of thieno[3,4-b]thiophene with mixed hydrocarbon/short fluorocarbon chains. Journal of Fluorine Chemistry, 2020, 236, 109574.	1.7	1

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19	Templateless Electrodeposition of Conducting Polymer Nanotubes on Mesh Substrates. Macromolecular Chemistry and Physics, 2020, 221, 1900529.	2.2	3
20	A bioinspired strategy for poly(3,4-ethylenedioxypyrrole) films with strong water adhesion. Pure and Applied Chemistry, 2020, 92, 315-322.	1.9	1
21	Designing bioinspired coral-like structures using a templateless electropolymerization approach with a high water content. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190123.	3.4	7
22	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.	3.5	19
23	Bioinspired and Biobased Materials. Macromolecular Chemistry and Physics, 2019, 220, 1900241.	2.2	6
24	Wetting Transition from Hydrophilic to Superhydrophobic over Dendrite Copper Leaves Grown on Steel Meshes. Journal of Bionic Engineering, 2019, 16, 719-729.	5.0	12
25	Templateless Electropolymerization for Controlled Growth of Polymeric Nanotubes on Micropatterned Surfaces. ChemNanoMat, 2019, 5, 1239-1243.	2.8	2
26	Cupric Oxide Nanostructures from Plasma Surface Modification of Copper. Biomimetics, 2019, 4, 42.	3.3	10
27	Dynamic Wetting Properties of Mesh Substrates with Tunable Water Adhesion. ChemPhysChem, 2019, 20, 1907-1907.	2.1	2
28	Nanotubular structures through templateless electropolymerization using thieno[3,4-b]thiophene derivatives with different substituents and water content. Electrochimica Acta, 2019, 320, 134594.	5.2	12
29	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.	4.8	17
30	Coral-like nanostructures. Materials Today, 2019, 31, 119-120.	14.2	18
31	Dynamic Wetting Properties of Mesh Substrates with Tunable Water Adhesion. ChemPhysChem, 2019, 20, 1918-1921.	2.1	1
32	Fabrication of Superhydrophobic Hierarchical Surfaces by Square Pulse Electrodeposition: Copperâ€Based Layers on Gold/Silicon (100) Substrates. ChemPlusChem, 2019, 84, 368-373.	2.8	11
33	Micro- and nanoscopic observations of sexual dimorphisms in Mecynorhina polyphemus confluens (Kraatz, 1890) (Coleoptera, Cetoniidae, Goliathini) and consequences for surface wettability. Arthropod Structure and Development, 2019, 49, 10-18.	1.4	4
34	Water-in-CO₂ Microemulsions Stabilized by Fluorinated Cationâ€“Anion Surfactant Pairs. Langmuir, 2019, 35, 3445-3454.	3.5	16
35	Hybrid surfaces combining electropolymerization and lithography: fabrication and wetting properties. Soft Matter, 2019, 15, 9352-9358.	2.7	1
36	Designing bioinspired parahydrophobic surfaces by electrodeposition of poly(3,4-ethylenedioxypyrrole) and poly(3,4-propylenedioxypyrrole) with mixed hydrocarbon and fluorocarbon chains. European Polymer Journal, 2019, 110, 76-84.	5.4	5

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37	Superhydrophobic and fluorescent properties of fluorinated polypyrene surfaces using various polar linkers prepared via electropolymerization. Reactive and Functional Polymers, 2019, 135, 65-76.	4.1	11
38	A Templateless Electropolymerization Approach to Porous Hydrophobic Nanostructures Using 3,4â€Phenylenedioxythiophene Monomers with Electronâ€Withdrawing Groups. ChemNanoMat, 2018, 4, 656-662.	2.8	14
39	Nanofoldâ€decorated surfaces from the electrodeposition of diâ€alkylâ€cyclopentadithiophenes. Polymers for Advanced Technologies, 2018, 29, 1170-1181.	3.2	2
40	Major influence of the hydrophobic chain length in the formation of poly(3,4-propylenedioxypyrrole) (PProDOP) nanofibers with special wetting properties. Materials Today Chemistry, 2018, 7, 65-75.	3.5	6
41	Anisotropic reversed micelles with fluorocarbon-hydrocarbon hybrid surfactants in supercritical CO2. Colloids and Surfaces B: Biointerfaces, 2018, 168, 201-210.	5.0	17
42	Anti-bacterial and fluorescent properties of hydrophobic electrodeposited non-fluorinated polypyrenes. Applied Surface Science, 2018, 452, 352-363.	6.1	10
43	Intrinsically water-repellent copper oxide surfaces; An electro-crystallization approach. Applied Surface Science, 2018, 443, 191-197.	6.1	15
44	A Templateless Electropolymerization Approach to Nanorings Using Substituted 3,4â€Naphthalenedioxythiophene (NaPhDOT) Monomers. ChemNanoMat, 2018, 4, 140-147.	2.8	11
45	Parahydrophobic and Nanostructured Poly(3,4-ethylenedioxypyrrole) and Poly(3,4-propylenedioxypyrrole) Films with Hyperbranched Alkyl Chains. ACS Omega, 2018, 3, 12428-12436.	3.5	3
46	Experimental Characterization of Droplet Adhesion: The Ejection Test Method (ETM) Applied to Surfaces with Various Hydrophobicity. Journal of Physical Chemistry A, 2018, 122, 8693-8700.	2.5	8
47	Variation of Goliathus orientalis (Moser, 1909) Elytra Nanostructurations and Their Impact on Wettability. Biomimetics, 2018, 3, 6.	3.3	9
48	Switchable and Reversible Superhydrophobic Surfaces: Part Two. , 2018, , .		0
49	Functionalized and grafted TiO2, CeO2, and SiO2 nanoparticlesâ€"ecotoxicity on Daphnia magna and relevance of ecofriendly polymeric networks. Environmental Science and Pollution Research, 2018, 25, 21216-21223.	5.3	9
50	Formation of Nanofibers with High Water Adhesion by Electrodeposition of Films of Poly(3,4â€ethylenedioxypyrrole) and Poly(3,4â€propylenedioxypyrrole) Substituted by Alkyl Chains. ChemPlusChem, 2018, 83, 968-975.	2.8	3
51	Surface Nanostructuration and Wettability of Electrodeposited Poly(3,4-ethylenedioxypyrrole) and Poly(3,4-propylenedioxypyrrole) Films Substituted by Aromatic Groups. ACS Omega, 2018, 3, 8393-8400.	3.5	1
52	Superhydrophobic, superoleophobic and underwater superoleophobic conducting polymer films. Surface Innovations, 2018, 6, 181-204.	2.3	13
53	Rapid, Templateâ€Less Patterning of Polymeric Interfaces for Controlled Wettability via in Situ Heterogeneous Photopolymerizations. Macromolecular Chemistry and Physics, 2018, 219, 1800090.	2.2	1
54	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.	4.0	14

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55	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.	14.7	81
56	One-pot Staudinger Ureation reaction to develop superhydrophobic/oleophobic surfaces with urea linkers. Materials and Design, 2017, 114, 116-122.	7.0	5
57	The major influence of the substrate nature on the formation of nanotubes with high water adhesion using a templateless electropolymerization process. Synthetic Metals, 2017, 224, 99-108.	3.9	3
58	Controlling the wettability of mesh substrates by post -functionalization using the Huisgen reaction. Materials Chemistry and Physics, 2017, 195, 67-73.	4.0	0
59	A travel in the Echeveria genus wettability's world. Applied Surface Science, 2017, 411, 291-302.	6.1	14
60	Superhydrophobic properties of electrodeposited fluorinated polypyrenes. Journal of Fluorine Chemistry, 2017, 193, 73-81.	1.7	16
61	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.	7.3	80
62	Bioinspired Roseâ€Petalâ€Like Substrates Generated by Electropolymerization on Micropatterned Gold Substrates. ChemPlusChem, 2017, 82, 336-336.	2.8	0
63	Poly(3,4-propylenedioxypyrrole) Nanofibers with Branched Alkyl Chains by Electropolymerization to Obtain Sticky Surfaces with High Contact Angles. ChemistrySelect, 2017, 2, 9490-9494.	1.5	5
64	pHâ€Driven Wetting Switchability of Electrodeposited Superhydrophobic Copolymers of Pyrene Bearing Acid Functions and Fluorinated Chains. ChemPhysChem, 2017, 18, 3429-3436.	2.1	9
65	Superpropulsion of Droplets and Soft Elastic Solids. Physical Review Letters, 2017, 119, 108001.	7.8	25
66	Direct Electrodeposition of Superhydrophobic and Highly Oleophobic Poly(3,4â€ethylenedioxypyrrole) (PEDOP) and Poly(3,4â€propylenedioxypyrrole) (PProDOP) Nanofibers. ChemNanoMat, 2017, 3, 885-894.	2.8	14
67	Combining Staudinger Reductive Amination and Amidification for the Control of Surface Hydrophobicity and Water Adhesion by Introducing Heterobifunctional Groups: Postâ€•and Anteâ€Approach. Macromolecular Chemistry and Physics, 2017, 218, 1700250.	2.2	2
68	Topological characterization of plasma-etched polymer surface using discontinuous percolation transition. Materials Chemistry and Physics, 2017, 200, 322-330.	4.0	0
69	Nanoparticles covered surfaces for post-functionalization with aromatic groups to obtain parahydrophobic surface with high water adhesion (petal effect). Journal of Bionic Engineering, 2017, 14, 468-475.	5.0	1
70	Selected Papers from the 3rd International Conference on Bioinspired and Biobased Chemistry & Materials (NICE-2016). Pure and Applied Chemistry, 2017, 89, 1739-1739.	1.9	0
71	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.	2.8	18
72	Trimethylsilyl hedgehogs â€“ a novel class of super-efficient hydrocarbon surfactants. Physical Chemistry Chemical Physics, 2017, 19, 23869-23877.	2.8	14

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73	Superhydrophobicity of polymer films via fluorine atoms covalent attachment and surface nano-texturing. Journal of Fluorine Chemistry, 2017, 200, 123-132.	1.7	18
74	Superhydrophobic and superoleophobic poly(3,4-ethylenedioxypyrrole) polymers synthesized using the Staudinger-Vilarrasa reaction. Pure and Applied Chemistry, 2017, 89, 1751-1760.	1.9	2
75	Bioinspired Roseâ€Petalâ€Like Substrates Generated by Electropolymerization on Micropatterned Gold Substrates. ChemPlusChem, 2017, 82, 352-357.	2.8	9
76	Bioinspired and Biobased Chemistry & Materials. Chemistry International, 2017, 39, .	0.3	0
77	Surfaces Bearing Fluorinated Nucleoperfluorolipids for Potential Anti-Graffiti Surface Properties. Coatings, 2017, 7, 220.	2.6	7
78	Bifunctionalized Monomers for Surfaces with Controlled Hydrophobicity. ChemPlusChem, 2017, 82, 1245-1252.	2.8	1
79	Staudinger-Vilarassa reaction versus Huisgen reaction for the control of surface hydrophobicity and water adhesion. Polymers for Advanced Technologies, 2016, 27, 993-998.	3.2	8
80	Gas discharge plasma treatment of poly(ethylene glycol-<i>co</i>-1,3/1,4 cyclohexanedimethanol) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Surfaces and Films, 2016, 34, .	2.1	7
81	Superhydrophobic/highly oleophobic surfaces based on poly(3,4-propylenedioxythiophene) surface post-functionalization. Journal of Polymer Research, 2016, 23, 1.	2.4	6
82	Poly(3,4-propylenedioxythiophene) mono-azide and di-azide as platforms for surface post -functionalization. European Polymer Journal, 2016, 78, 38-45.	5.4	9
83	Perfluorinated ProDOT monomers for superhydrophobic/oleophobic surfaces elaboration. Journal of Fluorine Chemistry, 2016, 191, 90-96.	1.7	7
84	One-step, self-assembled highly oleophobic nanocomposite coatings. Composites Communications, 2016, 2, 1-4.	6.3	1
85	Silica- and perfluoro-based nanoparticular polymeric network for the skin protection against organophosphates. Materials Research Express, 2016, 3, 065019.	1.6	7
86	A template-free approach to nanotube-decorated polymer surfaces using 3,4-phenylenedioxythiophene (PhEDOT) monomers. Journal of Materials Chemistry A, 2016, 4, 17308-17323.	10.3	44
87	Staudinger-Ureation: A new and fast reaction for surface post-functionalization. Materials Today Communications, 2016, 8, 165-171.	1.9	3
88	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.	8.0	36
89	3,4-Dialkoxypyrrole for the Formation of Bioinspired Rose Petal-like Substrates with High Water Adhesion. Langmuir, 2016, 32, 12476-12487.	3.5	21
90	Macromol. Chem. Phys. 19/2016. Macromolecular Chemistry and Physics, 2016, 217, 2200-2200.	2.2	0

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91	Azido Platform Surfaces for Postâ€Functionalization with Aromatic Groups Using the Huisgen Reaction to Obtain High Water Adhesion. Macromolecular Chemistry and Physics, 2016, 217, 2107-2115.	2.2	4
92	Post-functionalization of plasma treated polycarbonate substrates: An efficient way to hydrophobic, oleophobic plastics. Applied Surface Science, 2016, 387, 28-35.	6.1	19
93	Switchable surfaces from highly hydrophobic to highly hydrophilic using covalent imine bonds. Journal of Applied Polymer Science, 2016, 133, .	2.6	16
94	Switchable Surface Wettability by Using Boronic Ester Chemistry. ChemPhysChem, 2016, 17, 305-309.	2.1	8
95	Nucleoside surfaces as a platform for the control of surface hydrophobicity. RSC Advances, 2016, 6, 62471-62477.	3.6	3
96	Templateless electrodeposition of conducting polymer nanotubes on mesh substrates for high water adhesion. Nano Structures Nano Objects, 2016, 7, 64-68.	3.5	10
97	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.	8.0	45
98	Hydrocarbon/perfluorocarbon mixed chain azides for surface post-functionalization. Journal of Fluorine Chemistry, 2016, 184, 8-15.	1.7	6
99	Staudingerâ€"Vilarrasa reaction to develop novel monomers with amide bonds for superhydrophobic properties. Progress in Organic Coatings, 2016, 90, 431-437.	3.9	6
100	Branched Hydrocarbon Low Surface Energy Materials for Superhydrophobic Nanoparticle Derived Surfaces. ACS Applied Materials & Interfaces, 2016, 8, 660-666.	8.0	138
101	Electrodeposition of Polypyrenes with Tunable Hydrophobicity, Water Adhesion, and Fluorescence Properties. Journal of Physical Chemistry C, 2016, 120, 7077-7087.	3.1	24
102	Postfunctionalization of Azido or Alkyne Poly(3,4â€ethylenedioxythiophene) Surfaces: Superhydrophobic and Parahydrophobic Surfaces. Macromolecular Chemistry and Physics, 2016, 217, 554-561.	2.2	8
103	Parahydrophobic Surfaces by Electrodeposition of PEDOT Polymers with Aromatic Groups. Materials and Manufacturing Processes, 2016, 31, 1177-1182.	4.7	2
104	Nanoparticle covered surfaces: An efficient way to enhance superhydrophobic properties. Materials and Design, 2016, 92, 911-918.	7.0	17
105	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.	10.3	55
106	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.	9.4	26
107	Superoleophobic/superhydrophobic PEDOP conducting copolymers with dual-responsivity by voltage and ion exchange. Materials Today Communications, 2016, 6, 1-8.	1.9	14
108	CHAPTER 3. Superoleophobic Materials. RSC Soft Matter, 2016, , 42-83.	0.4	0

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109	2nd International Conference on Bioinspired and Biobased Chemistry & Materials (N.I.C.E. 2014). Pure and Applied Chemistry, 2015, 87, 717-718.	1.9	0
110	Robust superhydrophobicity by candle soot deposition on plasma-treated PETG. Surface Innovations, 2015, 3, 192-195.	2.3	3
111	A bioinspired approach to produce parahydrophobic properties using PEDOP conducting polymers with branched alkyl chains. Pure and Applied Chemistry, 2015, 87, 805-814.	1.9	8
112	Synergistic effect of organoclay fillers based on fluorinated surfmers for preparation of polystyrene nanocomposites. Journal of Applied Polymer Science, 2015, 132, .	2.6	7
113	Highly Polar Linkers (Urea, Carbamate, Thiocarbamate) for Superoleophobic/Superhydrophobic or Oleophobic/Hydrophilic Properties. Advanced Materials Interfaces, 2015, 2, 1500081.	3.7	33
114	Control over Water Adhesion on Nanostructured Parahydrophobic Films Using Mesh Substrates. ChemNanoMat, 2015, 1, 497-501.	2.8	6
115	Stepâ€byâ€Step Layerâ€byâ€Layer Assembly Using 1,2,3â€Triazole as a Platform for Controlled Multicharged and Multifunctional Coatings. ChemPlusChem, 2015, 80, 1691-1695.	2.8	3
116	Nanostructured superhydrophobic films synthesized by electrodeposition of fluorinated polyindoles. Beilstein Journal of Nanotechnology, 2015, 6, 2078-2087.	2.8	11
117	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.	3.6	17
118	Azidomethyl-EDOT as a Platform for Tunable Surfaces with Nanostructures and Superhydrophobic Properties. Journal of Physical Chemistry B, 2015, 119, 6873-6877.	2.6	25
119	Characterization of air/water interface adsorption of a series of partially fluorinated/hydrogenated quaternary ammonium salts. Journal of Fluorine Chemistry, 2015, 178, 241-248.	1.7	4
120	Using poly(3,4-ethylenedioxythiophene) containing a carbamate linker as a platform to develop electrodeposited surfaces with tunable wettability and adhesion. RSC Advances, 2015, 5, 89407-89414.	3.6	8
121	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.	2.1	14
122	New CeO 2 nanoparticles-based topical formulations for the skin protection against organophosphates. Toxicology Reports, 2015, 2, 1007-1013.	3.3	31
123	Low bioaccumulative materials for parahygrophobic nanosheets with sticking behaviour. Journal of Colloid and Interface Science, 2015, 447, 167-172.	9.4	19
124	Ante versus post-functionalization to control surface structures with superhydrophobic and superoleophobic properties. RSC Advances, 2015, 5, 63945-63951.	3.6	9
125	3,4-Ethylenedioxypyrrole (EDOP) Monomers with Aromatic Substituents for Parahydrophobic Surfaces by Electropolymerization. Macromolecules, 2015, 48, 5188-5195.	4.8	23
126	Staudinger Vilarassa reaction: A powerful tool for surface modification and superhydrophobic properties. Journal of Colloid and Interface Science, 2015, 457, 72-77.	9.4	20

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127	Effect of Fluorocarbon and Hydrocarbon Chain Lengths in Hybrid Surfactants for Supercritical CO₂. Langmuir, 2015, 31, 7479-7487.	3.5	20
128	Superhydrophobic (low adhesion) and parahydrophobic (high adhesion) surfaces with micro/nanostructures or nanofilaments. Journal of Colloid and Interface Science, 2015, 453, 42-47.	9.4	22
129	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.	5.0	50
130	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.	3.9	13
131	Superhydrophobic and superoleophobic properties in nature. Materials Today, 2015, 18, 273-285.	14.2	518
132	Reactive-ion etching of nylon fabric meshes using oxygen plasma for creating surface nanostructures. Applied Surface Science, 2015, 356, 408-415.	6.1	20
133	Switchable and reversible superhydrophobic and oleophobic surfaces by redox response using covalent Sâ€“S bond. Reactive and Functional Polymers, 2015, 96, 44-49.	4.1	11
134	Periodic Formation/Breakdown of Lamellar Aggregates with Anionic Cyanobiphenyl Surfactants. Langmuir, 2015, 31, 13040-13047.	3.5	0
135	Control of Conducting Polymer Nanostructures for Parahydrophobic Properties. Recent Patents on Materials Science, 2015, 8, 247-252.	0.5	2
136	Robust Superhydrophobicity by Candle Soot Deposition on Plasma-Treated PETG. Surface Innovations, 2015, , 1-16.	2.3	0
137	Parahydrophobic Surfaces Made of Intrinsically Hydrophilic PProDOT Nanofibers with Branched Alkyl Chains. Advanced Engineering Materials, 2014, 16, 1400-1405.	3.5	13
138	Superhydrophobic surfaces with low and high adhesion made from mixed (hydrocarbon and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 T Physics, 2014, 52, 782-788.	2.1	18
139	Superoleophobic Meshes with Relatively Low Hysteresis and Sliding Angles by Electropolymerization: Importance of Polymerâ€Growth Control. ChemPlusChem, 2014, 79, 382-386.	2.8	18
140	Effect of hydrocarbon chain branching in the elaboration of superhydrophobic materials by electrodeposition of conducting polymers. Surface and Coatings Technology, 2014, 259, 594-598.	4.8	16
141	Superoleophobic Meshes with Relatively Low Hysteresis and Sliding Angles by Electropolymerization: Importance of Polymerâ€Growth Control. ChemPlusChem, 2014, 79, 334-334.	2.8	0
142	Major influence of the alkyl chain length of poly(2,4â€dialkylâ€3,4â€propylenedioxythiophene) on the surface fibrous structures and hydrophobicity. Polymers for Advanced Technologies, 2014, 25, 1252-1256.	3.2	3
143	Surface properties of new catanionic semi-fluorinated hybrid surfactants. Journal of Fluorine Chemistry, 2014, 161, 60-65.	1.7	3
144	Chemical and Physical Pathways for the Preparation of Superoleophobic Surfaces and Related Wetting Theories. Chemical Reviews, 2014, 114, 2694-2716.	47.7	466

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145	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.	4.0	14
146	Superhydrophobic and oleophobic surfaces containing wrinkles and nanoparticles of PEDOT with two short fluorinated chains. RSC Advances, 2014, 4, 10935.	3.6	20
147	Wettability of conducting polymers: From superhydrophilicity to superoleophobicity. Progress in Polymer Science, 2014, 39, 656-682.	24.7	213
148	Spider-web-like fiber toward highly oleophobic fluorinated materials with low bioaccumulative potential. Reactive and Functional Polymers, 2014, 74, 46-51.	4.1	21
149	Enhancement of the Superoleophobic Properties of Fluorinated PEDOP Using Polar Glycol Spacers. Journal of Physical Chemistry C, 2014, 118, 26912-26920.	3.1	22
150	The Major Influences of Substituent Size and Position of 3,4â€Propylenedioxythiophene on the Formation of Highly Hydrophobic Nanofibers. ChemPlusChem, 2014, 79, 1434-1439.	2.8	22
151	Elaboration of Superhydrophobic Surfaces containing Nanofibers and Wrinkles with Controllable Water and Oil Adhesion. Macromolecular Materials and Engineering, 2014, 299, 959-965.	3.6	13
152	Oneâ€Pot Process to Control the Elaboration of Nonâ€Wetting Nanofibers. Advanced Materials Interfaces, 2014, 1, 1300094.	3.7	22
153	A spiral designed surface based on amino-perylene grafted polyacrylic acid. Chemical Communications, 2014, 50, 12034-12036.	4.1	3
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