Mathieu Surin

List of Publications by Year
in descending order

101	3,824	101543	133252
papers	citations	36 h-index	59 g-index

107	107	107	5186
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sequence Rules the Functional Connections and Efficiency of Catalytic Precision Oligomers. ACS Catalysis, 2022, 12, 2126-2131.	11.2	8
2	Hierarchical Self-Assembly and Multidynamic Responsiveness of Fluorescent Dynamic Covalent Networks Forming Organogels. Biomacromolecules, 2022, 23, 431-442.	5.4	10
3	Revealing the Organization of Catalytic Sequence-Defined Oligomers via Combined Molecular Dynamics Simulations and Network Analysis. Journal of Chemical Information and Modeling, 2022, 62, 2761-2770.	5.4	5
4	Using nickel to fold discrete synthetic macromolecules into single-chain nanoparticles. Polymer Chemistry, 2021, 12, 4924-4933.	3.9	6
5	Teaching photosensitizers a new trick: red light-triggered G-quadruplex alkylation by ligand co-localization. Chemical Communications, 2021, 57, 1010-1013.	4.1	14
6	Ï€-Extended perylene diimide double-heterohelicenes as ambipolar organic semiconductors for broadband circularly polarized light detection. Nature Communications, 2021, 12, 142.	12.8	137
7	Synthesis, Selfâ€Assembly, and Nucleic Acid Recognition of an Acylhydrazoneâ€Conjugated Cationic Tetraphenylethene Ligand. European Journal of Organic Chemistry, 2021, 2021, 1123-1135.	2.4	4
8	Dissipative DNA fibres. Nature Chemistry, 2021, 13, 817-818.	13.6	0
9	Naphthodithiophene Diimide Based Chiral Ï€â€Conjugated Nanopillar Molecules. Angewandte Chemie - International Edition, 2021, 60, 24543-24548.	13.8	19
10	Naphthodithiophene Diimide Based Chiral Ï€â€Conjugated Nanopillar Molecules. Angewandte Chemie, 2021, 133, 24748.	2.0	3
11	RÃ¼cktitelbild: Naphthodithiophene Diimide Based Chiral Ï€â€Conjugated Nanopillar Molecules (Angew.) Tj ETQq1 1 0.784314 rgBT	2.0	0
12	Cell monolayers sense curvature by exploiting active mechanics and nuclear mechanoadaptation. Nature Physics, 2021, 17, 1382-1390.	16.7	54
13	Programmed Recognition between Complementary Dinucleolipids To Control the Selfâ€Assembly of Lipidic Amphiphiles. Chemistry - A European Journal, 2020, 26, 1082-1090.	3.3	6
14	Design of metalloporphyrins fused to imidazolium rings for binding DNA G-quadruplexes. Journal of Porphyrins and Phthalocyanines, 2020, 24, 340-349.	0.8	2
15	Structural and Photophysical Templating of Conjugated Polyelectrolytes with Single-Stranded DNA. Chemistry of Materials, 2020, 32, 7347-7362.	6.7	4
16	Polythiophenes with Cationic Phosphonium Groups as Vectors for Imaging, siRNA Delivery, and Photodynamic Therapy. Nanomaterials, 2020, 10, 1432.	4.1	9
17	Binding Mode Multiplicity and Multiscale Chirality in the Supramolecular Assembly of DNA and a Ï€â€Conjugated Polymer. ChemPhysChem, 2020, 21, 2543-2552.	2.1	4
18	Sea star-inspired recombinant adhesive proteins self-assemble and adsorb on surfaces in aqueous environments to form cytocompatible coatings. Acta Biomaterialia, 2020, 112, 62-74.	8.3	16

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19	Discrete multifunctional sequence-defined oligomers with controlled chirality. Polymer Chemistry, 2020, 11, 4040-4046.	3.9	19
20	In Depth Analysis of Photovoltaic Performance of Chlorophyll Derivative-Based â€œAll Solid-Stateâ€• Dye-Sensitized Solar Cells. Molecules, 2020, 25, 198.	3.8	10
21	From Interaction to Function in DNAâ€Templated Supramolecular Selfâ€Assemblies. ChemistryOpen, 2020, 9, 480-498.	1.9	19
22	Competitive hydrogen bonding in supramolecular polymerizations of tribenzylbenzene-1,3,5-tricarboxamides. Molecular Systems Design and Engineering, 2020, 5, 820-828.	3.4	7
23	A Cationic Tetraphenylethene as a Light-Up Supramolecular Probe for DNA G-Quadruplexes. Frontiers in Chemistry, 2019, 7, 493.	3.6	17
24	Synthesis and properties of a P3HT-based ABA triblock copolymer containing a perfluoropolyether central segment. Synthetic Metals, 2019, 252, 127-134.	3.9	9
25	Detection of the Enzymatic Cleavage of DNA through Supramolecular Chiral Induction to a Cationic Polythiophene. ACS Applied Bio Materials, 2019, 2, 2125-2136.	4.6	10
26	Supramolecular Selfâ€Assembly of DNA with a Cationic Polythiophene: From Polyplexes to Fibers. ChemNanoMat, 2019, 5, 703-709.	2.8	7
27	Selfâ€assembly and chiroptical properties in supramolecular complexes of adenosine phosphates and guanidiniumâ€bispyrene. Chirality, 2018, 30, 719-729.	2.6	0
28	Supramolecular Assemblies of DNA/Conjugated Polymers. Materials and Energy, 2018, , 139-157.	0.1	3
29	Photomodulation of DNAâ€Templated Supramolecular Assemblies. Chemistry - A European Journal, 2018, 24, 706-714.	3.3	10
30	Binding Modes and Selectivity of Ruthenium Complexes to Human Telomeric DNA Gâ€Quadruplexes. Chemistry - A European Journal, 2018, 24, 15577-15588.	3.3	13
31	Synthesis and photophysical studies of a multivalent photoreactive Ru^{II}-calix[4]arene complex bearing RGD-containing cyclopentapeptides. Beilstein Journal of Organic Chemistry, 2018, 14, 1758-1768.	2.2	5
32	Well-designed poly(3-hexylthiophene) as hole transporting material: A new opportunity for solid-state dye-sensitized solar cells. Synthetic Metals, 2017, 226, 157-163.	3.9	23
33	Self-assembled hybrid hydrogels based on an amphipathic low molecular weight peptide derivative and a water-soluble poly(para-phenylene vinylene). RSC Advances, 2017, 7, 9562-9566.	3.6	11
34	Origin of DNA-Induced Circular Dichroism in a Minor-Groove Binder. Journal of the American Chemical Society, 2017, 139, 14947-14953.	13.7	38
35	Toward a new and noninvasive diagnostic method of papillary thyroid cancer by using peptide vectorized contrast agents targeted to galectin-1. Medical Oncology, 2017, 34, 184.	2.5	3
36	Structural and Spectroscopic Properties of Assemblies of Self-Replicating Peptide Macrocycles. ACS Nano, 2017, 11, 7858-7868.	14.6	36

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37	Oneâ€Pot Selfâ€Assembly of Peptideâ€Based Cageâ€Type Nanostructures Using Orthogonal Ligations. Chemistry - A European Journal, 2017, 23, 14323-14331.	3.3	11
38	Regioregular Polythiopheneâ€“Porphyrin Supramolecular Copolymers for Optoelectronic Applications. Macromolecular Chemistry and Physics, 2016, 217, 445-458.	2.2	14
39	From nucleobase to DNA templates for precision supramolecular assemblies and synthetic polymers. Polymer Chemistry, 2016, 7, 4137-4150.	3.9	36
40	Synthesis of Polyphthalaldehyde-Based Block Copolymers: Utilization of a Thermo-Sacrificial Segment for an Easy Access to Fine-Tuned Poly(3-hexylthiophene) Nanostructured Films. Macromolecules, 2016, 49, 3001-3008.	4.8	16
41	Chiral supramolecular organization and cooperativity in DNA-templated assemblies of Zn^{II}â€“chromophore complexes. Chemical Communications, 2016, 52, 13873-13876.	4.1	11
42	Highly DNA-Photoreactive Ruthenium 1,4,5,8-Tetraazaphenanthrene Complex Conjugated to the TAT Peptide: Efficient Vectorization inside HeLa Cells without Phototoxicity - The Importance of Cellular Distribution. European Journal of Inorganic Chemistry, 2016, 2016, 2902-2911.	2.0	13
43	Expanding the light absorption of poly(3-hexylthiophene) by end-functionalization with Ï€-extended porphyrins. Chemical Communications, 2016, 52, 171-174.	4.1	13
44	Parameters influencing the photo-induced electron transfer from tryptophan-containing peptides to a Ru^{II} complex: a systematic study. Faraday Discussions, 2015, 185, 267-284.	3.2	4
45	Fiber-Optic SPR Immunosensors Tailored To Target Epithelial Cells through Membrane Receptors. Analytical Chemistry, 2015, 87, 5957-5965.	6.5	58
46	Solvent Molding of Organic Morphologies Made of Supramolecular Chiral Polymers. Journal of the American Chemical Society, 2015, 137, 8150-8160.	13.7	48
47	DNA Electronic Circular Dichroism on the Inter-Base Pair Scale: An Experimentalâ€“Theoretical Case Study of the AT Homo-Oligonucleotide. Journal of Physical Chemistry Letters, 2015, 6, 355-359.	4.6	20
48	Self-assembly and hybridization mechanisms of DNA with cationic polythiophene. Soft Matter, 2015, 11, 6460-6471.	2.7	24
49	Binding modes of a core-extended metalloporphyrin to human telomeric DNA G-quadruplexes. Organic and Biomolecular Chemistry, 2015, 13, 2453-2463.	2.8	36
50	Probing the importance of Ï€-stacking interactions in DNA-templated self-assembly of bisfunctionalized guanidinium compounds. Chemical Communications, 2014, 50, 14257-14260.	4.1	35
51	A dynamic supramolecular polymer with stimuli-responsive handedness for in situ probing of enzymatic ATP hydrolysis. Nature Communications, 2014, 5, 5793.	12.8	132
52	Specificity of Lightâ€Induced Covalent Adduct Formation between Ru^{II} Oligonucleotide Conjugates and Target Sequences for Gene Silencing Applications. European Journal of Inorganic Chemistry, 2014, 2014, 3016-3022.	2.0	9
53	Functional Layers for Zn^{II} Ion Detection: From Molecular Design to Optical Fiber Sensors. Journal of Physical Chemistry B, 2014, 118, 309-314.	2.6	9
54	Quercetin-imprinted chromatographic sorbents revisited: Optimization of synthesis and rebinding protocols for application to natural resources. Journal of Chromatography A, 2014, 1364, 128-139.	3.7	21

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55	Chirality in DNAâ€“Ï€-conjugated polymer supramolecular structures: insights into the self-assembly. Chemical Communications, 2013, 49, 5483.	4.1	45
56	Self-Assembly of Alkyl-Substituted Oligothiophenes on MoS2: A Joint Experimental/Theoretical Study. Journal of Physical Chemistry C, 2013, 117, 21743-21751.	3.1	7
57	What Are the Parameters Controlling Interâ€vs. Intraâ€Strand DNA Photodamage with Ruâ€TAP Oligonucleotides?. European Journal of Inorganic Chemistry, 2013, 2013, 208-216.	2.0	4
58	Macrocyclic regioregular poly(3-hexylthiophene): from controlled synthesis to nanotubular assemblies. Polymer Chemistry, 2013, 4, 237-241.	3.9	16
59	High-Relaxivity and Luminescent Silica Nanoparticles As Multimodal Agents for Molecular Imaging. Langmuir, 2013, 29, 3419-3427.	3.5	20
60	Nanopatterning the Surface with Ordered Supramolecular Architectures: Controlling the Self-assembly of Guanine-based Hydrogen-bonded Motifs. , 2012, , 40-47.		0
61	Nanoscale investigation of the electrical properties in semiconductor polymerâ€“carbon nanotube hybrid materials. Nanoscale, 2012, 4, 2705.	5.6	45
62	On the mechanism of dynamic polymerization via recycled ss-DNA templated assembly of non-natural bases. Chemical Science, 2012, 3, 2732.	7.4	21
63	Directing energy transfer in discrete one-dimensional oligonucleotide-templated assemblies. Chemical Communications, 2011, 47, 884-886.	4.1	37
64	Energy Transfer in Single-Stranded DNA-Templated Stacks of Naphthalene Chromophores. Journal of Physical Chemistry C, 2011, 115, 10550-10560.	3.1	14
65	A Rigid Dinuclear Ruthenium(II) Complex as an Efficient Photoactive Agent for Bridging Two Guanine Bases of a Duplex or Quadruplex Oligonucleotide. Chemistry - A European Journal, 2010, 16, 3951-3961.	3.3	45
66	Regioregular poly(3-hexylthiophene)-poly(Îµ-caprolactone) block copolymers: Controlled synthesis, microscopic morphology, and charge transport properties. Organic Electronics, 2010, 11, 767-774.	2.6	39
67	Stereocomplexed Materials Based on Poly(3-hexylthiophene)-b-poly(lactide) Block Copolymers: Synthesis by Organic Catalysis, Thermal Properties, and Microscopic Morphology. Macromolecules, 2010, 43, 8957-8964.	4.8	32
68	Synthesis, characterization and comparative OFET behaviour of indenofluoreneâ€“bithiophene and terthiophene alternating copolymers. Synthetic Metals, 2010, 160, 468-474.	3.9	10
69	ssPNA templated assembly of oligo(p-phenylenevinylene)s. Chemical Communications, 2010, 46, 109-111.	4.1	28
70	Supramolecular Organization of ssDNAâ€Templated Ï€â€Conjugated Oligomers via Hydrogen Bonding. Advanced Materials, 2009, 21, 1126-1130.	21.0	72
71	Twoâ€Dimensional Oligo(phenyleneâ€ethynyleneâ€butadiynylene)s: Allâ€Covalent Nanoscale Spoked Wheels. Chemistry - A European Journal, 2009, 15, 2518-2535.	3.3	38
72	Multicolour Selfâ€Assembled Fluorene Coâ€Oligomers: From Molecules to the Solid State via Whiteâ€Lightâ€Emitting Organogels. Chemistry - A European Journal, 2009, 15, 9737-9746.	3.3	99

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73	Competitive Physisorption Among Alkylâ€Substituted Ï€â€Conjugated Oligomers at the Solidâ€“Liquid Interface: Towards Prediction of Selfâ€Assembly at Surfaces from a Multicomponent Solution. Small, 2009, 5, 1521-1526.	10.0	24
74	Synthesis, characterization and comparative study of thiopheneâ€“benzothiadiazole based donorâ€“acceptorâ€“donor (Dâ€“Aâ€“D) materials. Journal of Materials Chemistry, 2009, 19, 3228.	6.7	98
75	Insights into Templated Supramolecular Polymerization: Binding of Naphthalene Derivatives to ssDNA Templates of Different Lengths. Journal of the American Chemical Society, 2009, 131, 1222-1231.	13.7	86
76	Oxidizing Ru(II) Complexes as Irreversible and Specific Photo-Cross-Linking Agents of Oligonucleotide Duplexes. Inorganic Chemistry, 2009, 48, 10988-10994.	4.0	29
77	Guanosineâ€based Hydrogenâ€bonded Scaffolds: Controlling the Assembly of Oligothiophenes. Advanced Materials, 2008, 20, 2433-2438.	21.0	90
78	Programmable Hierarchical Three-Component 2D Assembly at a Liquidâˆ’Solid Interface: Recognition, Selection, and Transformation. Nano Letters, 2008, 8, 2541-2546.	9.1	155
79	The Self-Assembly of Amphiphilic Oligothiophenes: Hydrogen Bonding and Poly(glutamate) Complexation. Bulletin of the Chemical Society of Japan, 2007, 80, 1703-1715.	3.2	13
80	Solid-state assemblies and optical properties of conjugated oligomers combining fluorene and thiophene units. Journal of Materials Chemistry, 2007, 17, 728-735.	6.7	58
81	Exploring nanoscale electrical and electronic properties of organic and polymeric functional materials by atomic force microscopy based approaches. Chemical Communications, 2007, , 3326.	4.1	42
82	Molecular Tectonics on Surfaces: Bottom-Up Fabrication of 1D Coordination Networks That Form 1D and 2D Arrays on Graphite. Angewandte Chemie - International Edition, 2007, 46, 245-249.	13.8	110
83	Multicomponent Monolayer Architectures at the Solidâ€“Liquid Interface: Towards Controlled Space-Confined Properties and Reactivity of Functional Building Blocks. Small, 2007, 3, 190-194.	10.0	80
84	Functional polymers: scanning force microscopy insights. Physical Chemistry Chemical Physics, 2006, 8, 3927-3938.	2.8	43
85	Moleculeâˆ’Molecule versus Moleculeâˆ’Substrate Interactions in the Assembly of Oligothiophenes at Surfaces. Journal of Physical Chemistry B, 2006, 110, 7898-7908.	2.6	44
86	Supramolecular assembly of conjugated polymers: From molecular engineering to solid-state properties. Materials Science and Engineering Reports, 2006, 55, 1-56.	31.8	88
87	Thermal annealing-induced enhancement of the field-effect mobility of regioregular poly(3-hexylthiophene) films. Journal of Applied Physics, 2006, 100, 114503.	2.5	185
88	Structuration of Semiconducting Polymer Thin Films by Nanorubbing. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	0
89	Relationship between the microscopic morphology and the charge transport properties in poly(3-hexylthiophene) field-effect transistors. Journal of Applied Physics, 2006, 100, 033712.	2.5	158
90	Supramolecular Organization in Fluorene/Indenofluorene- Oligothiophene Alternating Conjugated Copolymers. Advanced Functional Materials, 2005, 15, 1426-1434.	14.9	40

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91	Covalent Template Approach Toward Functionalized Oligo-Alkyl-Substituted Shape-Persistent Macrocycles:Â Synthesis and Properties of Rings with a Loop. Chemistry of Materials, 2005, 17, 5670-5683.	6.7	38
92	Self-assembly of tetrathiafulvalene derivatives at a liquid/solid interfaceâ€"compositional and constitutional influence on supramolecular ordering. Journal of Materials Chemistry, 2005, 15, 4601.	6.7	63
93	Nanorubbing of Polythiophene Surfaces. Journal of the American Chemical Society, 2005, 127, 8018-8019.	13.7	54
94	Field-Effect Transistors Based on Self-Organized Molecular Nanostripes. Nano Letters, 2005, 5, 2422-2425.	9.1	114
95	About Oligothiophene Self-Assembly:â€‰ From Aggregation in Solution to Solid-State Nanostructures. Chemistry of Materials, 2004, 16, 4452-4466.	6.7	186
96	Microscopic Morphology of Polyfluoreneâ€"Poly(ethylene oxide) Block Copolymers: Influence of the Block Ratio. Advanced Functional Materials, 2004, 14, 708-715.	14.9	77
97	Organic semi-conducting architectures for supramolecular electronics. European Polymer Journal, 2004, 40, 885-892.	5.4	57
98	Correlation between the Microscopic Morphology and the Solid-State Photoluminescence Properties in Fluorene-Based Polymers and Copolymers. Chemistry of Materials, 2004, 16, 994-1001.	6.7	138
99	Surface-controlled self-assembly of chiral sexithiophenes. Journal of Materials Chemistry, 2004, 14, 1959-1963.	6.7	56
100	4-Hexylbithieno[3,2-b:2â€˜3â€˜-e]pyridine:Â An Efficient Electron-Accepting Unit in Fluorene and Indenofluorene Copolymers for Light-Emitting Devices. Macromolecules, 2004, 37, 709-715.	4.8	55
101	Oligothiophene-based nanostructures: from solution to solid-state aggregates. Synthetic Metals, 2004, 147, 67-72.	3.9	16