

# Mathieu Surin

## List of Publications by Year in descending order

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101  
papers

3,824  
citations

101543

36  
h-index

133252

59  
g-index

107  
all docs

107  
docs citations

107  
times ranked

5186  
citing authors

#	ARTICLE	IF	CITATIONS
1	About Oligothiophene Self-Assembly: From Aggregation in Solution to Solid-State Nanostructures. <i>Chemistry of Materials</i> , 2004, 16, 4452-4466.	6.7	186
2	Thermal annealing-induced enhancement of the field-effect mobility of regioregular poly(3-hexylthiophene) films. <i>Journal of Applied Physics</i> , 2006, 100, 114503.	2.5	185
3	Relationship between the microscopic morphology and the charge transport properties in poly(3-hexylthiophene) field-effect transistors. <i>Journal of Applied Physics</i> , 2006, 100, 033712.	2.5	158
4	Programmable Hierarchical Three-Component 2D Assembly at a Liquid-Solid Interface: Recognition, Selection, and Transformation. <i>Nano Letters</i> , 2008, 8, 2541-2546.	9.1	155
5	Correlation between the Microscopic Morphology and the Solid-State Photoluminescence Properties in Fluorene-Based Polymers and Copolymers. <i>Chemistry of Materials</i> , 2004, 16, 994-1001.	6.7	138
6	Extended perylene diimide double-heterohelicenes as ambipolar organic semiconductors for broadband circularly polarized light detection. <i>Nature Communications</i> , 2021, 12, 142.	12.8	137
7	A dynamic supramolecular polymer with stimuli-responsive handedness for in situ probing of enzymatic ATP hydrolysis. <i>Nature Communications</i> , 2014, 5, 5793.	12.8	132
8	Field-Effect Transistors Based on Self-Organized Molecular Nanostripes. <i>Nano Letters</i> , 2005, 5, 2422-2425.	9.1	114
9	Molecular Tectonics on Surfaces: Bottom-Up Fabrication of 1D Coordination Networks That Form 1D and 2D Arrays on Graphite. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 245-249.	13.8	110
10	Multicolour Self-Assembled Fluorene Co-Oligomers: From Molecules to the Solid State via White-Light-Emitting Organogels. <i>Chemistry - A European Journal</i> , 2009, 15, 9737-9746.	3.3	99
11	Synthesis, characterization and comparative study of thiophene-benzothiadiazole based donor-acceptor-donor (D-A-D) materials. <i>Journal of Materials Chemistry</i> , 2009, 19, 3228.	6.7	98
12	Guanosine-Based Hydrogen-Bonded Scaffolds: Controlling the Assembly of Oligothiophenes. <i>Advanced Materials</i> , 2008, 20, 2433-2438.	21.0	90
13	Supramolecular assembly of conjugated polymers: From molecular engineering to solid-state properties. <i>Materials Science and Engineering Reports</i> , 2006, 55, 1-56.	31.8	88
14	Insights into Templated Supramolecular Polymerization: Binding of Naphthalene Derivatives to ssDNA Templates of Different Lengths. <i>Journal of the American Chemical Society</i> , 2009, 131, 1222-1231.	13.7	86
15	Multicomponent Monolayer Architectures at the Solid-Liquid Interface: Towards Controlled Space-Confined Properties and Reactivity of Functional Building Blocks. <i>Small</i> , 2007, 3, 190-194.	10.0	80
16	Microscopic Morphology of Polyfluorene-Poly(ethylene oxide) Block Copolymers: Influence of the Block Ratio. <i>Advanced Functional Materials</i> , 2004, 14, 708-715.	14.9	77
17	Supramolecular Organization of ssDNA-Templated Conjugated Oligomers via Hydrogen Bonding. <i>Advanced Materials</i> , 2009, 21, 1126-1130.	21.0	72
18	Self-assembly of tetrathiafulvalene derivatives at a liquid/solid interface: compositional and constitutional influence on supramolecular ordering. <i>Journal of Materials Chemistry</i> , 2005, 15, 4601.	6.7	63

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19	Solid-state assemblies and optical properties of conjugated oligomers combining fluorene and thiophene units. <i>Journal of Materials Chemistry</i> , 2007, 17, 728-735.	6.7	58
20	Fiber-Optic SPR Immunosensors Tailored To Target Epithelial Cells through Membrane Receptors. <i>Analytical Chemistry</i> , 2015, 87, 5957-5965.	6.5	58
21	Organic semi-conducting architectures for supramolecular electronics. <i>European Polymer Journal</i> , 2004, 40, 885-892.	5.4	57
22	Surface-controlled self-assembly of chiral sexithiophenes. <i>Journal of Materials Chemistry</i> , 2004, 14, 1959-1963.	6.7	56
23	4-Hexylbithieno[3,2-b:2'3'-e]pyridine: An Efficient Electron-Accepting Unit in Fluorene and Indenofluorene Copolymers for Light-Emitting Devices. <i>Macromolecules</i> , 2004, 37, 709-715.	4.8	55
24	Nanorubbing of Polythiophene Surfaces. <i>Journal of the American Chemical Society</i> , 2005, 127, 8018-8019.	13.7	54
25	Cell monolayers sense curvature by exploiting active mechanics and nuclear mechanoadaptation. <i>Nature Physics</i> , 2021, 17, 1382-1390.	16.7	54
26	Solvent Molding of Organic Morphologies Made of Supramolecular Chiral Polymers. <i>Journal of the American Chemical Society</i> , 2015, 137, 8150-8160.	13.7	48
27	A Rigid Dinuclear Ruthenium(II) Complex as an Efficient Photoactive Agent for Bridging Two Guanine Bases of a Duplex or Quadruplex Oligonucleotide. <i>Chemistry - A European Journal</i> , 2010, 16, 3951-3961.	3.3	45
28	Nanoscale investigation of the electrical properties in semiconductor polymer-carbon nanotube hybrid materials. <i>Nanoscale</i> , 2012, 4, 2705.	5.6	45
29	Chirality in DNA-conjugated polymer supramolecular structures: insights into the self-assembly. <i>Chemical Communications</i> , 2013, 49, 5483.	4.1	45
30	Molecule-Molecule versus Molecule-Substrate Interactions in the Assembly of Oligothiophenes at Surfaces. <i>Journal of Physical Chemistry B</i> , 2006, 110, 7898-7908.	2.6	44
31	Functional polymers: scanning force microscopy insights. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 3927-3938.	2.8	43
32	Exploring nanoscale electrical and electronic properties of organic and polymeric functional materials by atomic force microscopy based approaches. <i>Chemical Communications</i> , 2007, , 3326.	4.1	42
33	Supramolecular Organization in Fluorene/Indenofluorene- Oligothiophene Alternating Conjugated Copolymers. <i>Advanced Functional Materials</i> , 2005, 15, 1426-1434.	14.9	40
34	Regioregular poly(3-hexylthiophene)-poly( $\mu$ -caprolactone) block copolymers: Controlled synthesis, microscopic morphology, and charge transport properties. <i>Organic Electronics</i> , 2010, 11, 767-774.	2.6	39
35	Covalent Template Approach Toward Functionalized Oligo-Alkyl-Substituted Shape-Persistent Macrocycles: Synthesis and Properties of Rings with a Loop. <i>Chemistry of Materials</i> , 2005, 17, 5670-5683.	6.7	38
36	Two-Dimensional Oligo(phenyleneethynylene-butadiynylene)s: All-Covalent Nanoscale Spoked Wheels. <i>Chemistry - A European Journal</i> , 2009, 15, 2518-2535.	3.3	38

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37	Origin of DNA-Induced Circular Dichroism in a Minor-Groove Binder. <i>Journal of the American Chemical Society</i> , 2017, 139, 14947-14953.	13.7	38
38	Directing energy transfer in discrete one-dimensional oligonucleotide-templated assemblies. <i>Chemical Communications</i> , 2011, 47, 884-886.	4.1	37
39	Binding modes of a core-extended metalloporphyrin to human telomeric DNA G-quadruplexes. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2453-2463.	2.8	36
40	From nucleobase to DNA templates for precision supramolecular assemblies and synthetic polymers. <i>Polymer Chemistry</i> , 2016, 7, 4137-4150.	3.9	36
41	Structural and Spectroscopic Properties of Assemblies of Self-Replicating Peptide Macrocycles. <i>ACS Nano</i> , 2017, 11, 7858-7868.	14.6	36
42	Probing the importance of $\pi$ -stacking interactions in DNA-templated self-assembly of bisfunctionalized guanidinium compounds. <i>Chemical Communications</i> , 2014, 50, 14257-14260.	4.1	35
43	Stereocomplexed Materials Based on Poly(3-hexylthiophene)- <i>b</i> -poly(lactide) Block Copolymers: Synthesis by Organic Catalysis, Thermal Properties, and Microscopic Morphology. <i>Macromolecules</i> , 2010, 43, 8957-8964.	4.8	32
44	Oxidizing Ru(II) Complexes as Irreversible and Specific Photo-Cross-Linking Agents of Oligonucleotide Duplexes. <i>Inorganic Chemistry</i> , 2009, 48, 10988-10994.	4.0	29
45	ssPNA templated assembly of oligo(p-phenylenevinylene)s. <i>Chemical Communications</i> , 2010, 46, 109-111.	4.1	28
46	Competitive Physisorption Among Alkyl-Substituted $\pi$ -Conjugated Oligomers at the Solid-Liquid Interface: Towards Prediction of Self-Assembly at Surfaces from a Multicomponent Solution. <i>Small</i> , 2009, 5, 1521-1526.	10.0	24
47	Self-assembly and hybridization mechanisms of DNA with cationic polythiophene. <i>Soft Matter</i> , 2015, 11, 6460-6471.	2.7	24
48	Well-designed poly(3-hexylthiophene) as hole transporting material: A new opportunity for solid-state dye-sensitized solar cells. <i>Synthetic Metals</i> , 2017, 226, 157-163.	3.9	23
49	On the mechanism of dynamic polymerization via recycled ss-DNA templated assembly of non-natural bases. <i>Chemical Science</i> , 2012, 3, 2732.	7.4	21
50	Quercetin-imprinted chromatographic sorbents revisited: Optimization of synthesis and rebinding protocols for application to natural resources. <i>Journal of Chromatography A</i> , 2014, 1364, 128-139.	3.7	21
51	High-Relaxivity and Luminescent Silica Nanoparticles As Multimodal Agents for Molecular Imaging. <i>Langmuir</i> , 2013, 29, 3419-3427.	3.5	20
52	DNA Electronic Circular Dichroism on the Inter-Base Pair Scale: An Experimental-Theoretical Case Study of the AT Homo-Oligonucleotide. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 355-359.	4.6	20
53	Discrete multifunctional sequence-defined oligomers with controlled chirality. <i>Polymer Chemistry</i> , 2020, 11, 4040-4046.	3.9	19
54	From Interaction to Function in DNA-Templated Supramolecular Self-Assemblies. <i>ChemistryOpen</i> , 2020, 9, 480-498.	1.9	19

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55	Naphthodithiophene Diimide Based Chiral $\pi$ -Conjugated Nanopillar Molecules. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24543-24548.	13.8	19
56	A Cationic Tetraphenylethene as a Light-Up Supramolecular Probe for DNA G-Quadruplexes. <i>Frontiers in Chemistry</i> , 2019, 7, 493.	3.6	17
57	Oligothiophene-based nanostructures: from solution to solid-state aggregates. <i>Synthetic Metals</i> , 2004, 147, 67-72.	3.9	16
58	Macrocyclic regioregular poly(3-hexylthiophene): from controlled synthesis to nanotubular assemblies. <i>Polymer Chemistry</i> , 2013, 4, 237-241.	3.9	16
59	Synthesis of Polyphthalaldehyde-Based Block Copolymers: Utilization of a Thermo-Sacrificial Segment for an Easy Access to Fine-Tuned Poly(3-hexylthiophene) Nanostructured Films. <i>Macromolecules</i> , 2016, 49, 3001-3008.	4.8	16
60	Sea star-inspired recombinant adhesive proteins self-assemble and adsorb on surfaces in aqueous environments to form cytocompatible coatings. <i>Acta Biomaterialia</i> , 2020, 112, 62-74.	8.3	16
61	Energy Transfer in Single-Stranded DNA-Templated Stacks of Naphthalene Chromophores. <i>Journal of Physical Chemistry C</i> , 2011, 115, 10550-10560.	3.1	14
62	Regioregular Polythiophene $\pi$ -Porphyrin Supramolecular Copolymers for Optoelectronic Applications. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 445-458.	2.2	14
63	Teaching photosensitizers a new trick: red light-triggered G-quadruplex alkylation by ligand co-localization. <i>Chemical Communications</i> , 2021, 57, 1010-1013.	4.1	14
64	The Self-Assembly of Amphiphilic Oligothiophenes: Hydrogen Bonding and Poly(glutamate) Complexation. <i>Bulletin of the Chemical Society of Japan</i> , 2007, 80, 1703-1715.	3.2	13
65	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. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2902-2911.	2.0	13
66	Expanding the light absorption of poly(3-hexylthiophene) by end-functionalization with $\pi$ -extended porphyrins. <i>Chemical Communications</i> , 2016, 52, 171-174.	4.1	13
67	Binding Modes and Selectivity of Ruthenium Complexes to Human Telomeric DNA G $\pi$ -Quadruplexes. <i>Chemistry - A European Journal</i> , 2018, 24, 15577-15588.	3.3	13
68	Chiral supramolecular organization and cooperativity in DNA-templated assemblies of Zn <sup>&lt;sup&gt;II&lt;/sup&gt;</sup> -chromophore complexes. <i>Chemical Communications</i> , 2016, 52, 13873-13876.	4.1	11
69	Self-assembled hybrid hydrogels based on an amphipathic low molecular weight peptide derivative and a water-soluble poly(para-phenylene vinylene). <i>RSC Advances</i> , 2017, 7, 9562-9566.	3.6	11
70	One-Pot Self-Assembly of Peptide-Based Cage-Type Nanostructures Using Orthogonal Ligations. <i>Chemistry - A European Journal</i> , 2017, 23, 14323-14331.	3.3	11
71	Synthesis, characterization and comparative OFET behaviour of indenofluorene $\pi$ -bithiophene and terthiophene alternating copolymers. <i>Synthetic Metals</i> , 2010, 160, 468-474.	3.9	10
72	Photomodulation of DNA-Templated Supramolecular Assemblies. <i>Chemistry - A European Journal</i> , 2018, 24, 706-714.	3.3	10

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73	Detection of the Enzymatic Cleavage of DNA through Supramolecular Chiral Induction to a Cationic Polythiophene. <i>ACS Applied Bio Materials</i> , 2019, 2, 2125-2136.	4.6	10
74	In Depth Analysis of Photovoltaic Performance of Chlorophyll Derivative-Based "All Solid-State" Dye-Sensitized Solar Cells. <i>Molecules</i> , 2020, 25, 198.	3.8	10
75	Hierarchical Self-Assembly and Multidynamic Responsiveness of Fluorescent Dynamic Covalent Networks Forming Organogels. <i>Biomacromolecules</i> , 2022, 23, 431-442.	5.4	10
76	Specificity of Light-Induced Covalent Adduct Formation between Ru <sup>II</sup> Oligonucleotide Conjugates and Target Sequences for Gene Silencing Applications. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 3016-3022.	2.0	9
77	Functional Layers for Zn <sup>II</sup> Ion Detection: From Molecular Design to Optical Fiber Sensors. <i>Journal of Physical Chemistry B</i> , 2014, 118, 309-314.	2.6	9
78	Synthesis and properties of a P3HT-based ABA triblock copolymer containing a perfluoropolyether central segment. <i>Synthetic Metals</i> , 2019, 252, 127-134.	3.9	9
79	Polythiophenes with Cationic Phosphonium Groups as Vectors for Imaging, siRNA Delivery, and Photodynamic Therapy. <i>Nanomaterials</i> , 2020, 10, 1432.	4.1	9
80	Sequence Rules the Functional Connections and Efficiency of Catalytic Precision Oligomers. <i>ACS Catalysis</i> , 2022, 12, 2126-2131.	11.2	8
81	Self-Assembly of Alkyl-Substituted Oligothiophenes on MoS <sub>2</sub> : A Joint Experimental/Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21743-21751.	3.1	7
82	Supramolecular Self-Assembly of DNA with a Cationic Polythiophene: From Polyplexes to Fibers. <i>ChemNanoMat</i> , 2019, 5, 703-709.	2.8	7
83	Competitive hydrogen bonding in supramolecular polymerizations of tribenzylbenzene-1,3,5-tricarboxamides. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 820-828.	3.4	7
84	Programmed Recognition between Complementary Dinucleolipids To Control the Self-Assembly of Lipid Amphiphiles. <i>Chemistry - A European Journal</i> , 2020, 26, 1082-1090.	3.3	6
85	Using nickel to fold discrete synthetic macromolecules into single-chain nanoparticles. <i>Polymer Chemistry</i> , 2021, 12, 4924-4933.	3.9	6
86	Synthesis and photophysical studies of a multivalent photoreactive Ru <sup>II</sup> -calix[4]arene complex bearing RGD-containing cyclopentapeptides. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 1758-1768.	2.2	5
87	Revealing the Organization of Catalytic Sequence-Defined Oligomers via Combined Molecular Dynamics Simulations and Network Analysis. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 2761-2770.	5.4	5
88	What Are the Parameters Controlling Inter- vs. Intra-Strand DNA Photodamage with Ru <sup>II</sup> TAP Oligonucleotides?. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 208-216.	2.0	4
89	Parameters influencing the photo-induced electron transfer from tryptophan-containing peptides to a Ru <sup>II</sup> complex: a systematic study. <i>Faraday Discussions</i> , 2015, 185, 267-284.	3.2	4
90	Structural and Photophysical Templating of Conjugated Polyelectrolytes with Single-Stranded DNA. <i>Chemistry of Materials</i> , 2020, 32, 7347-7362.	6.7	4

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91	Binding Mode Multiplicity and Multiscale Chirality in the Supramolecular Assembly of DNA and a $\pi$ -Conjugated Polymer. <i>ChemPhysChem</i> , 2020, 21, 2543-2552.	2.1	4
92	Synthesis, Self-Assembly, and Nucleic Acid Recognition of an Acylhydrazone-Conjugated Cationic Tetraphenylethene Ligand. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1123-1135.	2.4	4
93	Toward a new and noninvasive diagnostic method of papillary thyroid cancer by using peptide vectorized contrast agents targeted to galectin-1. <i>Medical Oncology</i> , 2017, 34, 184.	2.5	3
94	Supramolecular Assemblies of DNA/Conjugated Polymers. <i>Materials and Energy</i> , 2018, , 139-157.	0.1	3
95	Naphthodithiophene Diimide Based Chiral $\pi$ -Conjugated Nanopillar Molecules. <i>Angewandte Chemie</i> , 2021, 133, 24748.	2.0	3
96	Design of metalloporphyrins fused to imidazolium rings for binding DNA G-quadruplexes. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020, 24, 340-349.	0.8	2
97	Structuration of Semiconducting Polymer Thin Films by Nanorubbing. <i>Industrial Electronics Society (IECON)</i> , Annual Conference of IEEE, 2006, , .	0.0	0
98	Nanopatterning the Surface with Ordered Supramolecular Architectures: Controlling the Self-assembly of Guanine-based Hydrogen-bonded Motifs. , 2012, , 40-47.		0
99	Self-assembly and chiroptical properties in supramolecular complexes of adenosine phosphates and guanidinium-bispyrene. <i>Chirality</i> , 2018, 30, 719-729.	2.6	0
100	Dissipative DNA fibres. <i>Nature Chemistry</i> , 2021, 13, 817-818.	13.6	0
101	Rücktitelbild: Naphthodithiophene Diimide Based Chiral $\pi$ -Conjugated Nanopillar Molecules (Angew.) Tj ETQq1,1 0.784314 rgBT 2.0 0	2.0	0