

# Fabrice Goubard

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

81  
papers

2,488  
citations

28  
h-index

48  
g-index

86  
ext. papers

2,902  
ext. citations

5.7  
avg. IF

5.25  
L-index

#	Paper	IF	Citations
81	Radiation-induced polymerization of 3-hexylthiophene in oxygen-free and oxygen-saturated dichloromethane solvent. <i>Radiation Physics and Chemistry</i> , <b>2021</b> , 180, 109291	2.5	2
80	Nanostructured Conjugated Polymer for Solar Cell Applications <b>2021</b> , 297-356		
79	Pushing the Limits of Flexibility and Stretchability of Solar Cells: A Review. <i>Advanced Materials</i> , <b>2021</b> , 33, e2101469	24	15
78	Carbazole-based material: synthesis, characterization, and application as hole transporting material in perovskite solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 12856-12861	2.1	1
77	Capturing Mobile Lithium Ions in a Molecular Hole Transporter Enhances the Thermal Stability of Perovskite Solar Cells. <i>Advanced Materials</i> , <b>2021</b> , 33, e2007431	24	28
76	Gamma rays as an innovative tool for synthesizing conducting copolymers with improved properties. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 13142-13157	3.6	1
75	Multi-analytical approach for the compositional and micro-structural study of Florentine Masters stucco devotional reliefs. <i>Techne</i> , <b>2021</b> , 48-63	0.1	
74	Donor-Acceptor-Donor structured thioxanthone derivatives as visible photoinitiators. <i>Polymer Chemistry</i> , <b>2020</b> , 11, 7221-7234	4.9	8
73	Carbazole Electroactive Amorphous Molecular Material: Molecular Design, Synthesis, Characterization and Application in Perovskite Solar Cells. <i>Energies</i> , <b>2020</b> , 13, 2897	3.1	1
72	Hole transporting materials for perovskite solar cells: molecular versus polymeric carbazole-based derivatives. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 4820-4829	4.3	7
71	Design of new phenothiazine derivatives as visible light photoinitiators. <i>Polymer Chemistry</i> , <b>2020</b> , 11, 3349-3359	4.9	14
70	Synthesis, Thermal, Optical and Electrochemical Properties of Acridone and Thioxanthone Based Push-Pull Molecules. <i>ChemistrySelect</i> , <b>2020</b> , 5, 15180-15189	1.8	2
69	Carrier transport study on triphenylamine-thienothiophene-based hole transport material by MIS-CELIV method. <i>Japanese Journal of Applied Physics</i> , <b>2020</b> , 59, SGGG01	1.4	2
68	A Ladder-like Dopant-free Hole-Transporting Polymer for Hysteresis-less High-Efficiency Perovskite Solar Cells with High Ambient Stability. <i>ChemSusChem</i> , <b>2020</b> , 13, 5058-5066	8.3	5
67	Stretchable and Transparent Conductive PEDOT:PSS-Based Electrodes for Organic Photovoltaics and Strain Sensors Applications. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2001251	15.6	46
66	Conducting and Stretchable PEDOT:PSS Electrodes: Role of Additives on Self-Assembly, Morphology, and Transport. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 17570-17582	9.5	41
65	Conducting polymers synthesized by $\beta$ -radiolysis in very acidic aqueous medium. <i>Radiation Physics and Chemistry</i> , <b>2019</b> , 159, 47-56	2.5	8

64	Macroscopic reflectance spectral imaging to reveal multiple and complementary types of information for the non-invasive study of an entire polychromatic manuscript. <i>Journal of Cultural Heritage</i> , <b>2019</b> , 35, 1-15	2.9	9
63	Development of new high-performance visible light photoinitiators based on carbazole scaffold and their applications in 3d printing and photocomposite synthesis. <i>Journal of Polymer Science Part A</i> , <b>2019</b> , 57, 2081-2092	2.5	40
62	Phenothiazine derivatives as photoredox catalysts for cationic and radical photosensitive resins for 3D printing technology and photocomposite synthesis. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 6145-6156	4.9	46
61	Role of cyano substituents on thiophene vinylene benzothiadiazole conjugated polymers and application as hole transporting materials in perovskite solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2019</b> , 371, 238-247	4.7	8
60	Photocatalytic degradation of organic pollutant with polypyrrole nanostructures under UV and visible light. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 242, 284-292	21.8	100
59	Electrochromic behavior of drop-casted thin films combining a semi-conducting polymer mixed with a Keggin-type polyoxometalate. <i>Materials Chemistry and Physics</i> , <b>2018</b> , 211, 312-320	4.4	5
58	Triphenylamine-Thienothiophene Organic Charge-Transport Molecular Materials: Effect of Substitution Pattern on their Thermal, Photoelectrochemical, and Photovoltaic Properties. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 1302-1311	4.5	19
57	A novel class of photoinitiators with a thermally activated delayed fluorescence (TADF) property. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 8261-8270	3.6	23
56	Triphenylamine/oxadiazole hybrids differing by the substitution pattern: Influence on the electroluminescence properties of yellow and green emitting diodes. <i>Synthetic Metals</i> , <b>2018</b> , 240, 21-29	3.6	
55	Recent advances on organic blue thermally activated delayed fluorescence (TADF) emitters for organic light-emitting diodes (OLEDs). <i>Beilstein Journal of Organic Chemistry</i> , <b>2018</b> , 14, 282-308	2.5	115
54	Thermally Activated Delayed Fluorescence Emitters for Deep Blue Organic Light Emitting Diodes: A Review of Recent Advances. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 494	2.6	37
53	First insights on the mineral composition of EtruscoDevotional reliefs from Italian Renaissance Masters: investigating technological practices and raw material sourcing. <i>Journal of Cultural Heritage</i> , <b>2018</b> , 34, 23-32	2.9	9
52	Molecular versus polymeric hole transporting materials for perovskite solar cell application. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 13350-13358	13	41
51	Poly(3,4-ethylenedioxythiophene/permethylated Cyclodextrin) polypseudorotaxane and polyrotaxane: Synthesis, characterization and application as hole transporting materials in perovskite solar cells. <i>European Polymer Journal</i> , <b>2018</b> , 105, 250-256	5.2	10
50	Characterizing the Intrinsic Fluorescence Properties of Historical Painting Materials: The Case Study of a Sixteenth-Century Mesoamerican Manuscript. <i>Applied Spectroscopy</i> , <b>2018</b> , 72, 573-583	3.1	6
49	Acridone derivatives as high performance visible light photoinitiators for cationic and radical photosensitive resins for 3D printing technology and for low migration photopolymer property. <i>Polymer</i> , <b>2018</b> , 159, 47-58	3.9	41
48	Design of dendritic core carbazole-based hole transporting materials for efficient and stable hybrid perovskite solar cells. <i>Organic Electronics</i> , <b>2018</b> , 60, 22-30	3.5	14
47	Impact of Organic Hole Transporting Material and Doping on the Electrical Response of Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 11651-11658	3.8	16

46	Azahelicenes as visible light photoinitiators for cationic and radical polymerization: Preparation of photoluminescent polymers and use in high performance LED projector 3D printing resins. <i>Journal of Polymer Science Part A</i> , <b>2017</b> , 55, 1189-1199	2.5	64
45	Highly active poly(3-hexylthiophene) nanostructures for photocatalysis under solar light. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 209, 23-32	21.8	55
44	A novel radiation chemistry-based methodology for the synthesis of PEDOT/Ag nanocomposites. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 879-892	7.8	12
43	Simple 3,6-bis(diphenylaminy)carbazole molecular glasses as hole transporting materials for hybrid perovskite solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 17551-17556	2.1	10
42	Independent macroscopic chemical mappings of cultural heritage materials with reflectance imaging spectroscopy: case study of a 16th century Aztec manuscript. <i>Analytical Methods</i> , <b>2017</b> , 9, 5997-6008	3.2	7
41	Carbazole Derivatives with Thermally Activated Delayed Fluorescence Property as Photoinitiators/Photoredox Catalysts for LED 3D Printing Technology. <i>Macromolecules</i> , <b>2017</b> , 50, 4913-4926	5.5	74
40	Novel Carbazole Skeleton-Based Photoinitiators for LED Polymerization and LED Projector 3D Printing. <i>Molecules</i> , <b>2017</b> , 22,	4.8	41
39	Bis(diphenylamino)naphthalene host materials: careful selection of the substitution pattern for the design of fully solution-processed triple-layered electroluminescent devices. <i>RSC Advances</i> , <b>2016</b> , 6, 60563-60577	2.7	77
38	Role of LiTFSI in high Tg triphenylamine-based hole transporting material in perovskite solar cell. <i>RSC Advances</i> , <b>2016</b> , 6, 68553-68559	3.7	18
37	Radiation-induced reduction polymerization route for the synthesis of PEDOT conducting polymers. <i>Radiation Physics and Chemistry</i> , <b>2016</b> , 119, 157-166	2.5	22
36	Conducting polymer nanostructures for photocatalysis under visible light. <i>Nature Materials</i> , <b>2015</b> , 14, 505-11	27	454
35	Solution-processed blue phosphorescent OLEDs with carbazole-based polymeric host materials. <i>Organic Electronics</i> , <b>2015</b> , 25, 21-30	3.5	31
34	Carbazole-Based Molecular Glasses as Hole-Transporting Materials in Solid State Dye-Sensitized Solar Cells. <i>ChemNanoMat</i> , <b>2015</b> , 1, 203-210	3.5	27
33	Polymers as Light-Harvesting Dyes in Dye-Sensitized Solar Cells <b>2015</b> , 183-212		1
32	Conducting polymer nanofibers with controlled diameters synthesized in hexagonal mesophases. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 8311-8320	3.6	28
31	Truxene: a promising scaffold for future materials. <i>RSC Advances</i> , <b>2015</b> , 5, 3521-3551	3.7	100
30	Visible-light active conducting polymer nanostructures with superior photocatalytic activity. <i>Scientific Reports</i> , <b>2015</b> , 5, 18002	4.9	75
29	Fast and reversible photo-responsive wettability on TiO <sub>2</sub> based hybrid surfaces. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 11533-11542	13	20

28	Di(p-methoxyphenyl)amine end-capped tri(p-thiophenylphenyl)amine based molecular glasses as hole transporting materials for solid-state dye-sensitized solar cells. <i>RSC Advances</i> , <b>2015</b> , 5, 49590-49597	3.7	15
27	Poly(2-(N-carbazolyl)ethyl acrylate) as a host for high efficiency polymer light-emitting devices. <i>Organic Electronics</i> , <b>2015</b> , 17, 377-385	3.5	15
26	Solid state dye-sensitized solar cells based on polymeric ionic liquid with free imidazolium cation. <i>Electronic Materials Letters</i> , <b>2014</b> , 10, 209-212	2.9	7
25	Effect of permodified $\beta$ -cyclodextrin on the photophysical properties of poly[2,7-(9,9-dioctylfluorene)-alt-(5,5'-bithiophene)] main chain polyrotaxanes. <i>Journal of Polymer Science Part A</i> , <b>2014</b> , 52, 460-471	2.5	16
24	Triphenylamines and 1,3,4-oxadiazoles: a versatile combination for controlling the charge balance in organic electronics. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 2204	3.6	41
23	PEDOT nanostructures synthesized in hexagonal mesophases. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 1106-1115	3.15	62
22	Low-cost zinc complexes for white organic light-emitting devices. <i>Thin Solid Films</i> , <b>2014</b> , 564, 351-360	2.2	37
21	Ternary blends for polymer bulk heterojunction solar cells. <i>Polymer International</i> , <b>2014</b> , 63, 1362-1367	3.3	30
20	A star-shaped molecule as hole transporting material in solution-processed thin-film transistors. <i>Synthetic Metals</i> , <b>2013</b> , 184, 35-40	3.6	8
19	Panchromatic Photopolymerizable Cationic Films Using Indoline and Squaraine Dye Based Photoinitiating Systems. <i>ACS Macro Letters</i> , <b>2013</b> , 2, 736-740	6.6	66
18	Carbazol-N-yl and diphenylamino end-capped triphenylamine-based molecular glasses: synthesis, thermal, and optical properties. <i>Tetrahedron Letters</i> , <b>2013</b> , 54, 4277-4280	2	24
17	Recent advances in small molecular, non-polymeric organic hole transporting materials for solid-state DSSC. <i>EPJ Photovoltaics</i> , <b>2013</b> , 4, 40402	0.7	20
16	Processable Star-Shaped Molecules with Triphenylamine Core as Hole-Transporting Materials: Experimental and Theoretical Approach. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 3765-3772	3.8	84
15	Labeling of fibronectin by fluorescent and paramagnetic nanoprobe for exploring the extracellular matrix: bioconjugate synthesis optimization and biochemical characterization. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 399, 1653-63	4.4	9
14	TiO <sub>2</sub> Nanocrystals Synthesized by Laser Pyrolysis for the Up-Scaling of Efficient Solid-State Dye-Sensitized Solar Cells. <i>Advanced Energy Materials</i> , <b>2011</b> , 1, 908-916	21.8	29
13	Iridium(III) soft salts from dinuclear cationic and mononuclear anionic complexes for OLED devices. <i>Chemical Communications</i> , <b>2011</b> , 47, 10698-700	5.8	69
12	Functionalization of luminescent aminated particles for facile bioconjugation. <i>ACS Nano</i> , <b>2008</b> , 2, 2273-826.7	26.7	33
11	Elaboration of nanohybrid materials by photopolymerisation of 3,4-ethylenedioxythiophene on TiO <sub>2</sub> . <i>Chemical Communications</i> , <b>2008</b> , 3139-41	5.8	14

10	Thermal ageing of poly(ethylene oxide)/poly(3,4-ethylenedioxythiophene) semi-IPNs. <i>European Polymer Journal</i> , <b>2008</b> , 44, 3864-3870	5.2	20
9	Characterization limits of a polymer adsorbed under a monolayer by GIXD measurements. <i>Journal of Colloid and Interface Science</i> , <b>2007</b> , 306, 82-8	9.3	6
8	In vitro denaturation-renaturation of fibronectin. Formation of multimers disulfide-linked and shuffling of intramolecular disulfide bonds. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2006</b> , 38, 1547-60	5.6	21
7	AB5-type intermetallic compound as a substrate for nickel hexacyanoferrate modified electrodes. <i>Sensors and Actuators B: Chemical</i> , <b>2004</b> , 99, 516-524	8.5	6
6	Urea-induced sequential unfolding of fibronectin: a fluorescence spectroscopy and circular dichroism study. <i>Biochemistry</i> , <b>2004</b> , 43, 1724-35	3.2	36
5	Synthesis, Spectroscopic, Thermal, and Structural Characterization of Complex Ferrocyanides $\text{KLnFe(II)(CN)}_6 \cdot 3.5\text{H}_2\text{O}$ ( $\text{Ln} = \text{Gd-Ho}$ ). <i>Structural Chemistry</i> , <b>2003</b> , 14, 257-262	1.8	27
4	On the Lanthanide Ferrocyanides $\text{KLnFe(II)(CN)}_6 \cdot x\text{H}_2\text{O}$ ( $\text{Ln} = \text{La-Lu}$ ): Characterization and Thermal Evolution. <i>Journal of Solid State Chemistry</i> , <b>2002</b> , 167, 34-40	3.3	20
3	Powder diffraction data for niobium IV hexafluorides: $\text{VNbF}_6$ and $\text{CrNbF}_6$ . <i>Powder Diffraction</i> , <b>1998</b> , 13, 132-133	1.8	
2	Synthesis and X-ray powder diffraction data for $\text{MNbF}_6$ ( $\text{M} = \text{Fe, Co}$ ) compounds. <i>Powder Diffraction</i> , <b>1998</b> , 13, 134-135	1.8	
1	Powder diffraction data for fluorocomplexes of niobium IV: $\text{MNbF}_6$ ( $\text{M} = \text{Ca, Mg, Cd, Zn}$ ). <i>Powder Diffraction</i> , <b>1998</b> , 13, 163-165	1.8	3