

# Francesco Tassinari

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

1,901  
citations

361296  
20  
h-index

265120  
42  
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44  
all docs

44  
docs citations

44  
times ranked

1802  
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature-Dependent Chiral-Induced Spin Selectivity Effect: Experiments and Theory. <i>Journal of Physical Chemistry C</i> , 2022, 126, 3257-3264.	1.5	50
2	Twisted molecular wires polarize spin currents at room temperature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	8
3	Chirality enhances oxygen reduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	20
4	Helicity Control in the Aggregation of Achiral Squaraine Dyes in Solution and Thin Films. <i>Chemistry - A European Journal</i> , 2021, 27, 298-306.	1.7	11
5	Spin-selective electron transmission through self-assembled monolayers of double-stranded peptide nucleic acid. <i>Chirality</i> , 2021, 33, 93-102.	1.3	23
6	Simultaneous High-Purity Enantiomeric Resolution of Conglomerates Using Magnetic Substrates. <i>Crystal Growth and Design</i> , 2021, 21, 2925-2931.	1.4	12
7	Temperature Dependence of Charge and Spin Transfer in Azurin. <i>Journal of Physical Chemistry C</i> , 2021, 125, 9875-9883.	1.5	26
8	Multistate Switching of Spin Selectivity in Electron Transport through Light-Driven Molecular Motors. <i>Advanced Science</i> , 2021, 8, e2101773.	5.6	17
9	The Electron Spin as a Chiral Reagent. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1653-1658.	7.2	65
10	The Electron Spin as a Chiral Reagent. <i>Angewandte Chemie</i> , 2020, 132, 1670-1675.	1.6	8
11	Spin-dependent charge transfer at chiral electrodes probed by magnetic resonance. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 997-1002.	1.3	12
12	Asymmetric reactions induced by electron spin polarization. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 21570-21582.	1.3	40
13	Relation between Morphology and Chiroptical Properties in Chiral Conducting Polymer Films: A Case Study in Chiral PEDOT. <i>Macromolecules</i> , 2020, 53, 9521-9528.	2.2	6
14	Spin-Dependent Enantioselective Electropolymerization. <i>Journal of Physical Chemistry C</i> , 2020, 124, 20974-20980.	1.5	16
15	Correlation between Ferromagnetic Layer Easy Axis and the Tilt Angle of Self Assembled Chiral Molecules. <i>Molecules</i> , 2020, 25, 6036.	1.7	19
16	Magnetochemistry and Asymmetric Electrochemical Reactions. <i>Magnetochemistry</i> , 2020, 6, 1.	1.0	10
17	Electron Transfer via Helical Oligopeptide to Laccase Including Chiral Schiff Base Copper Mediators. <i>Symmetry</i> , 2020, 12, 808.	1.1	9
18	Highly Efficient and Tunable Filtering of Electrons' Spin by Supramolecular Chirality of Nanofiber-Based Materials. <i>Advanced Materials</i> , 2020, 32, e1904965.	11.1	139

#	ARTICLE	IF	CITATIONS
19	Low-Resistance Molecular Wires Propagate Spin-Polarized Currents. Journal of the American Chemical Society, 2019, 141, 14707-14711.	6.6	33
20	Electric-Field-Enhanced Adsorption of Chiral Molecules on Ferromagnetic Substrates. Journal of Physical Chemistry B, 2019, 123, 9443-9448.	1.2	8
21	Enantioseparation by crystallization using magnetic substrates. Chemical Science, 2019, 10, 5246-5250.	3.7	62
22	Controlling Chemical Selectivity in Electrocatalysis with Chiral CuO-Coated Electrodes. Journal of Physical Chemistry C, 2019, 123, 3024-3031.	1.5	92
23	Chirality Dependent Charge Transfer Rate in Oligopeptides. Advanced Materials, 2018, 30, e1706423.	11.1	48
24	Enhanced Electrochemical Water Splitting with Chiral Molecule-Coated Fe <sub>3</sub> O <sub>4</sub> Nanoparticles. ACS Energy Letters, 2018, 3, 2308-2313.	8.8	103
25	Separation of enantiomers by their enantiospecific interaction with achiral magnetic substrates. Science, 2018, 360, 1331-1334.	6.0	283
26	Control of Electrons' Spin Eliminates Hydrogen Peroxide Formation During Water Splitting. Journal of the American Chemical Society, 2017, 139, 2794-2798.	6.6	225
27	π-Stacking Signature in NMR Solution Spectra of Thiophene-Based Conjugated Polymers. ACS Omega, 2017, 2, 5775-5784.	1.6	35
28	High Circular Polarization of Electroluminescence Achieved <i>via</i> Self-Assembly of a Light-Emitting Chiral Conjugated Polymer into Multidomain Cholesteric Films. ACS Nano, 2017, 11, 12713-12722.	7.3	197
29	Enhanced Hydrogen Production with Chiral Conductive Polymer-Based Electrodes. Journal of Physical Chemistry C, 2017, 121, 15777-15783.	1.5	40
30	Enhanced Hydrogen Production With Chiral Conductive Polymer-Based Electrodes. Journal of Physical Chemistry A, 2017, , .	1.1	2
31	Chiral Polythiophenes. , 2017, , 277-297.		0
32	Polymers with Alkylsulfanyl Side Chains for Bulk Heterojunction Solar Cells: Toward a Greener Strategy. Macromolecular Chemistry and Physics, 2017, 218, 1700111.	1.1	2
33	Polymers for application in organic solar cells: Bithiophene can work better than thienothiophene when coupled to benzodithiophene. Journal of Polymer Science Part A, 2016, 54, 1603-1614.	2.5	5
34	Conductive Polymers: Chiral Conductive Polymers as Spin Filters (Adv. Mater. 11/2015). Advanced Materials, 2015, 27, 1968-1968.	11.1	0
35	Chiral Conductive Polymers as Spin Filters. Advanced Materials, 2015, 27, 1924-1927.	11.1	121
36	New One-Step Thiol Functionalization Procedure for Ni by Self-Assembled Monolayers. Langmuir, 2015, 31, 3546-3552.	1.6	42

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37	Low band gap polymers for application in solar cells: synthesis and characterization of thienothiophene-thiophene copolymers. <i>Polymer Chemistry</i> , 2014, 5, 2391.	1.9	25
38	Electric-Field-Driven Alignment of Chiral Conductive Polymer Thin Films. <i>Langmuir</i> , 2014, 30, 4838-4843.	1.6	14
39	On the co-adsorption process of sodium dodecyl sulfate and sodium dodecylbenzenesulfonate on a 1-decanethiol-functionalized Au electrode, as a corrosion inhibiting mimic process. <i>Journal of Applied Electrochemistry</i> , 2013, 43, 101-106.	1.5	4
40	Regiochemistry in the electrochemical assisted grafting of glassy carbon. With focus on sterical hindrance of lateral chains in the electroreduction process of multi-functionalized bithiophene. <i>Journal of Electroanalytical Chemistry</i> , 2013, 710, 70-75.	1.9	2
41	On the Hybrid Glassy Carbon Electrode/OligoThiophene/Ag(NP) Interface. <i>Langmuir</i> , 2012, 28, 15505-15512.	1.6	10
42	Functionalization of glassy carbon surface by means of aliphatic and aromatic amino acids. An experimental and theoretical integrated approach. <i>Electrochimica Acta</i> , 2012, 75, 49-55.	2.6	12
43	A novel copolymer from benzodithiophene and alkylsulfanyl-bithiophene: Synthesis, characterization and application in polymer solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2012, 104, 45-52.	3.0	30
44	(Alkylsulfanyl)bithiophene-Fluorene: Conjugated Polymers for Organic Solar Cells. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5659-5667.	1.2	15