

# Fosca Conti

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/9299789/fosca-conti-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

61  
papers

771  
citations

15  
h-index

24  
g-index

72  
ext. papers

952  
ext. citations

3.6  
avg, IF

3.87  
L-index

#	Paper	IF	Citations
61	Hybrid inorganic-organic proton conducting membranes based on Nafion and 5wt% of MxOy (M=Ti, Zr, Hf, Ta and W). Part II: Relaxation phenomena and conductivity mechanism. <i>Journal of Power Sources</i> , <b>2009</b> , 187, 57-66	8.9	74
60	Investigation of water structure in nafion membranes by infrared spectroscopy and molecular dynamics simulation. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 632-9	3.4	66
59	EPR Studies on a Binitroxide Fullerene Derivative in the Ground Triplet and First Photoexcited Quintet State. <i>Journal of Physical Chemistry A</i> , <b>2000</b> , 104, 4962-4967	2.8	49
58	Synthesis and EPR Studies of Radicals and Biradical Anions of C60Nitroxide Derivatives. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 789-795	16.4	48
57	Raman study of the polybenzimidazole-phosphoric acid interactions in membranes for fuel cells. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 10022-6	3.6	37
56	The sign of the exchange interaction between triplet excited fullerene and nitroxide free radicals. <i>Applied Magnetic Resonance</i> , <b>2000</b> , 18, 351-361	0.8	30
55	Analysis of solder joint reliability of high power LEDs by transient thermal testing and transient finite element simulations. <i>Microelectronics Journal</i> , <b>2015</b> , 46, 1230-1238	1.8	29
54	Tempo-C61: An Unusual Example of Fulleroïd to Methanofullerene Conversion. <i>Journal of Physical Chemistry A</i> , <b>2000</b> , 104, 156-163	2.8	26
53	Mixing in Biogas Digesters and Development of an Artificial Substrate for Laboratory-Scale Mixing Optimization. <i>Chemical Engineering and Technology</i> , <b>2017</b> , 40, 238-247	2	25
52	A vibrational spectroscopic and modeling study of poly(2,5-benzimidazole) (ABPBI) Phosphoric acid interactions in high temperature PEFC membranes. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 2776-2784	6.7	22
51	Thermogravimetric investigation on the interaction of formic acid with solder joint materials. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 10482-10487	3.6	18
50	Effect of high pressure CO2 on the structure of PMMA: a FT-IR study. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 13519-25	3.4	18
49	Electric Response and Conductivity Mechanism in H3PO4-Doped Polybenzimidazole-4NifO2 Nanocomposite Membranes for High Temperature Fuel Cells. <i>Electrochimica Acta</i> , <b>2017</b> , 228, 562-574	6.7	17
48	A fulleropyrrolidine binitroxide: synthesis, EPR and electrochemical features. <i>Physical Chemistry Chemical Physics</i> , <b>2001</b> , 3, 3518-3525	3.6	17
47	Modeling Mixing in Anaerobic Digesters with Computational Fluid Dynamics Validated by Experiments. <i>Chemical Engineering and Technology</i> , <b>2018</b> , 41, 2101-2110	2	15
46	Carbon NMR investigation of the polybenzimidazole-dimethylacetamide interactions in membranes for fuel cells. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 152-156	3.6	15
45	Spin polarization and photoinduced electron transfer between ferrocene and fullerene derivatives containing a nitroxide group. <i>Applied Magnetic Resonance</i> , <b>1997</b> , 13, 337-346	0.8	15

44	Time-resolved EPR investigation of intramolecular photoinduced electron transfer in spin-labeled fullerene/ferrocene dyads. <i>Physical Chemistry Chemical Physics</i> , <b>2001</b> , 3, 3526-3531	3.6	15
43	Uptake of protic electrolytes by polybenzimidazole-type polymers: absorption isotherms and electrolyte/polymer interactions. <i>Journal of Applied Electrochemistry</i> , <b>2015</b> , 45, 857-871	2.6	14
42	Phosphoric Acid and its Interactions with Polybenzimidazole-Type Polymers <b>2016</b> , 169-194		14
41	EPR and ENDOR of perfluoroalkyl radical intermediates in the reaction between perfluorohypofluorites and perfluoroalkenes. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1995</b> , 91, 3813		13
40	Monitoring the mixing of an artificial model substrate in a scale-down laboratory digester. <i>Renewable Energy</i> , <b>2019</b> , 132, 351-362	8.1	12
39	Time-resolved EPR investigation of [70]fulleropyrrolidine nitroxide isomers. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 495-502	3.6	12
38	Die-attach bonding for high temperature applications using thermal decomposition of copper(II) formate with polyethylene glycol. <i>Scripta Materialia</i> , <b>2020</b> , 182, 74-80	5.6	11
37	Thermal behaviour of viscosity of aqueous cellulose solutions to emulate biomass in anaerobic digesters. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 1099-1104	3.6	11
36	Spin-labeled fulleropyrrolidines. <i>Comptes Rendus Chimie</i> , <b>2006</b> , 9, 909-915	2.7	10
35	Novel approach to copper sintering using surface enhanced brass micro flakes for microelectronics packaging. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 844, 156043	5.7	9
34	Electric response and conductivity mechanism reciprocity in H <sub>3</sub> PO <sub>4</sub> -doped Polybenzimidazole-4N-ZrO <sub>2</sub> nanocomposite membranes. <i>Solid State Ionics</i> , <b>2018</b> , 320, 172-176	3.3	9
33	Broadband electric spectroscopy at high CO <sub>2</sub> pressure: dipole moment of CO <sub>2</sub> and relaxation phenomena of the CO <sub>2</sub> -poly(vinyl chloride) system. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 9014-21	3.4	8
32	Time-resolved EPR observation of synthetic eumelanin-superoxide radical pairs. <i>Chemical Communications</i> , <b>2009</b> , 4977-9	5.8	8
31	Detection of solder joint cracking of high power leds on Al-IMS during temperature shock test by transient thermal analysis <b>2014</b> ,		7
30	Thermogravimetric and Spectroscopic Investigation of the Interaction between Polybenzimidazole and Phosphoric Acid. <i>ECS Transactions</i> , <b>2013</b> , 50, 1155-1165	1	7
29	Magnetic Resonance Studies and Molecular Orbital Calculations on the Doublet and Triplet States of Bacteriopurpurin: a Potential Second-Generation Photosensitizer for Photodynamic Therapy. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 2769-2778	3.4	7
28	Steam storage systems for flexible biomass CHP plants - Evaluation and initial model based calculation. <i>Biomass and Bioenergy</i> , <b>2019</b> , 128, 105321	5.3	6
27	Relaxation phenomena and conductivity mechanisms in anion-exchange membranes derived from polyketone. <i>Electrochimica Acta</i> , <b>2019</b> , 319, 253-263	6.7	6

26	Sterically hindered diphosphines (Ph <sub>2</sub> P) <sub>2</sub> CCHR (R = Me or Ph) and their derivatives. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1994</b> , 1791-1797		6
25	Phase Diagram Approach to Study Acid and Water Uptake of Polybenzimidazole-Type Membranes for Fuel Cells. <i>ECS Transactions</i> , <b>2016</b> , 72, 157-167	1	5
24	CFD Modelling of Biomass Mixing in Anaerobic Digesters of Biogas Plants. <i>Environmental and Climate Technologies</i> , <b>2019</b> , 23, 57-69	1.5	5
23	Formation of tin-based crystals from a SnAgCu alloy under formic acid vapor. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 19232-19236	3.6	5
22	Effect of mixing of waste biomass in anaerobic digesters for production of biogas. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 446, 012011	0.4	5
21	Time-resolved ESR investigation on energy transfer processes in Nafion photochemistry. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 6317-6325	6.7	4
20	First time-resolved EPR observation of Nafion photochemistry. <i>Chemical Communications</i> , <b>2009</b> , 7006-8	5.8	4
19	Improved sinterability of particles to substrates by surface modifications on substrate metallization. <i>Additional Conferences (Device Packaging HiTEC HiTEN &amp; CICMT)</i> , <b>2019</b> , 2019, 000066-000070	0.1	4
18	A multi-pronged approach to low-pressure Cu sintering using surface-modified particles, substrate and chip metallization. <i>International Symposium on Microelectronics</i> , <b>2019</b> , 2019, 000387-000392	0.2	4
17	Characterization of tin-oxides and tin-formate crystals obtained from SnAgCu solder alloy under formic acid vapor. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 10227-10231	3.6	3
16	Process development and reliability of sintered high power chip size packages and flip chip LEDs <b>2018</b> ,		3
15	In-Situ measurements of the relative thermal resistance: Highly sensitive method to detect crack propagation in solder joints <b>2014</b> ,		3
14	Numeric Simulation-Based Analysis of the Mixing Process in Anaerobic Digesters of Biogas Plants. <i>Chemical Engineering and Technology</i> , <b>2020</b> , 43, 1522-1529	2	2
13	Reliability of Sintered and Soldered High Power Chip Size Packages and Flip Chip LEDs <b>2018</b> ,		2
12	Reorientational Relaxation and Hydrogen Bonding in Mixtures of Water and Methanol. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, H549-H560	3.9	2
11	Time-resolved EPR investigation of oxygen and temperature effects on synthetic eumelanin. <i>Spectroscopy</i> , <b>2010</b> , 24, 289-295		2
10	Thermomechanical stress in GaN-LEDs soldered onto Cu substrates studied using finite element method and Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , <b>2020</b> , 51, 2083-2094	2.3	2
9	Evaluation of silver and copper sintering of first level interconnects for high power LEDs <b>2018</b> ,		2

8	Die-Attach Bonding with Etched Micro Brass Metal Pigment Flakes for High-Power Electronics Packaging. <i>ACS Applied Electronic Materials</i> ,	4	2
7	Partially Upgraded Biogas: Potential for Decentralized Utilization in Agricultural Machinery. <i>Chemical Engineering and Technology</i> , <b>2018</b> , 41, 2111-2119	2	1
6	<b>2020</b> ,		1
5	Hybrid Cu particle paste with surface-modified particles for high temperature electronics packaging <b>2019</b> ,		1
4	Membrane separation process for small scaled partial biogas upgrading. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 446, 012012	0.4	1
3	Evaluation Criteria and Benefit Analysis of Mixing Process in Anaerobic Digesters of Biogas Plants. <i>Environmental and Climate Technologies</i> , <b>2020</b> , 24, 305-317	1.5	
2	Electrical Conductivity and Water Effects in Phosphoric Acid Solutions for Doping of Membranes in Polymer Electrolyte Fuel Cells. <i>Environmental and Climate Technologies</i> , <b>2021</b> , 25, 467-478	1.5	
1	Capture, Storage and Utilization of Carbon Dioxide by Microalgae and Production of Biomaterials. <i>Environmental and Climate Technologies</i> , <b>2021</b> , 25, 574-586	1.5	