

Abel Garcia-Bernabe

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7056246/abel-garcia-bernabe-publications-by-year.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.

44
papers

635
citations

14
h-index

23
g-index

47
ext. papers

717
ext. citations

3.8
avg, IF

3.97
L-index

#	Paper	IF	Citations
44	Solid Polymer Electrolytes Based on Polylactic Acid Nanofiber Mats Coated with Polypyrrole. <i>Macromolecular Materials and Engineering</i> , 2021 , 306, 2000584	3.9	3
43	Diffusivity and free anion concentration of ionic liquid composite polybenzimidazole membranes.. <i>RSC Advances</i> , 2021 , 11, 26379-26390	3.7	1
42	A Deep Insight into Different Acidic Additives as Doping Agents for Enhancing Proton Conductivity on Polybenzimidazole Membranes. <i>Polymers</i> , 2020 , 12,	4.5	12
41	Influence of the anion on diffusivity and mobility of ionic liquids composite polybenzimidazol membranes. <i>Electrochimica Acta</i> , 2020 , 354, 136666	6.7	13
40	Effect of metallacarborane salt H[COSANE] doping on the performance properties of polybenzimidazole membranes for high temperature PEMFCs. <i>Soft Matter</i> , 2020 , 16, 7624-7635	3.6	7
39	Ionic Liquid Composite Polybenzimidazol Membranes for High Temperature PEMFC Applications. <i>Polymers</i> , 2019 , 11,	4.5	31
38	Free ion diffusivity and charge concentration on cross-linked polymeric ionic liquid iongel films based on sulfonated zwitterionic salts and lithium ions. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 17923-17932	3.6	8
37	Proton Conductivity through Polybenzimidazole Composite Membranes Containing Silica Nanofiber Mats. <i>Polymers</i> , 2019 , 11,	4.5	16
36	Polymer modified sulfonated PEEK ionomers membranes and the use of Ru3Pd6Pt as cathode catalyst for H2/O2 fuel cells. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 295-303	6.7	6
35	Bimetallic Pt-M electrocatalysts supported on single-wall carbon nanotubes for hydrogen and methanol electrooxidation in fuel cells applications. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 872-884	6.7	32
34	Structural and dielectric properties of cobaltacarborane composite polybenzimidazole membranes as solid polymer electrolytes at high temperature. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 10173-10184	3.6	21
33	Phosphoric Acid Doped Polybenzimidazole (PBI)/Zeolitic Imidazolate Framework Composite Membranes with Significantly Enhanced Proton Conductivity under Low Humidity Conditions. <i>Nanomaterials</i> , 2018 , 8,	5.4	65
32	Proton conducting electrospun sulfonated polyether ether ketone graphene oxide composite membranes. <i>RSC Advances</i> , 2017 , 7, 53481-53491	3.7	29
31	Conductivity of composite membrane-based poly(ether-ether-ketone) sulfonated (SPEEK) nanofiber mats of varying thickness. <i>RSC Advances</i> , 2016 , 6, 56986-56999	3.7	14
30	Continued-Fraction Expansion of Transport Coefficients with Fractional Calculus. <i>Mathematics</i> , 2016 , 4, 67	2.3	2
29	Ionic transport on composite polymers containing covalently attached and absorbed ionic liquid fragments. <i>Electrochimica Acta</i> , 2016 , 213, 887-897	6.7	12
28	Interconversion algorithm between mechanical and dielectric relaxation measurements for acetate of cis- and trans-2-phenyl-5-hydroxymethyl-1,3-dioxane. <i>Physical Review E</i> , 2015 , 92, 042307	2.4	3

27	Space charge measurements on different epoxy resin-alumina nanocomposites 2010 ,		6
26	Conductivity and Polarization Processes in Highly Cross-Linked Supported Ionic Liquid-Like Phases. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 7030-7037	3.8	18
25	Size-tunable micron-bubbles based on fluorine-fluorine interactions of perfluorinated dendritic polyglycerols. <i>ChemPhysChem</i> , 2010 , 11, 2617-22	3.2	7
24	Effects of different composition ratio on the dielectric relaxation and dynamic mechanical properties of poly(dodecalactam-co-ε-caprolactam-co-propylene oxide) copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010 , 48, 2518-2529	2.6	7
23	Fractional Fokker-Planck equation approach for the interconversion between dielectric and mechanical measurements. <i>Journal of Applied Physics</i> , 2009 , 106, 014912	2.5	2
22	Water sorption by poly(tetrahydrofurfuryl methacrylate)s. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008 , 46, 109-120	2.6	1
21	Secondary and primary relaxations in hyperbranched polyglycerol: a comparative study in the frequency and time domains. <i>Journal of Chemical Physics</i> , 2007 , 127, 124904	3.9	6
20	Broadband Dielectric Spectroscopy Studies of Hyperbranched Polyglycerols. <i>Macromolecular Chemistry and Physics</i> , 2006 , 207, 970-977	2.6	14
19	Dielectric and Mechanical Relaxational Behavior of Poly (Chlorobenzyl Methacrylate)s. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2006 , 55, 1155-1169	3	1
18	Supramolecular Immobilization of a Perfluoro-Tagged Pd-Catalyst with Dendritic Architectures and Application in Suzuki Reactions. <i>Advanced Synthesis and Catalysis</i> , 2005 , 347, 1389-1394	5.6	54
17	Interconversion of mechanical and dielectrical relaxation measurements for dicyclohexylmethyl-2-methyl succinate. <i>Physical Review E</i> , 2005 , 72, 051505	2.4	8
16	Syntheses and phase-transfer properties of dendritic nanocarriers that contain perfluorinated shell structures. <i>Chemistry - A European Journal</i> , 2004 , 10, 2822-30	4.8	74
15	Amorphous-smectic glassy main chain LCPs. II. Dielectric study of the glass transition. <i>Polymer</i> , 2004 , 45, 1533-1543	3.9	17
14	Dielectric relaxational behavior of poly(diitaconate)s containing cyclic rings in the side chain. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003 , 41, 1059-1069	2.6	3
13	Amorphous-Smectic Glassy Main-Chain LCPs, 1. Poly(ether esters) Derived from Hydroxybenzoic Acid and (R,S)- and (R)-2-Methylpropane-1,3-diol. <i>Macromolecular Chemistry and Physics</i> , 2002 , 203, 2508-2515	2.6	15
12	Dielectric relaxation behaviour of poly(cyclobutyl methacrylate)s. <i>Polymer International</i> , 2002 , 51, 1448-1458	3.5	4
11	Dynamic mechanical and dielectric relaxation behaviour of poly(methacrylate)s containing saturated rings with seven and eight members in the side-chains. <i>Polymer International</i> , 2002 , 51, 808-814	3.3	2
10	Properties of the first and second order memory functions of dielectric relaxation. <i>Journal of Non-Crystalline Solids</i> , 2002 , 307-310, 288-295	3.9	1

9	Relaxation behavior of acrylate and methacrylate polymers containing dioxacyclopentane rings in the side chains. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001 , 39, 286-299	2.6	10
8	Dielectric properties of poly(triethylene glycol p, p'-bibenzoate-co-(R)-(+)-3-methyl adipate). <i>Polymer</i> , 2001 , 42, 6793-6800	3.9	5
7	Dynamic Mechanical and Dielectric Relaxational Behavior of Poly(cyclohexylalkyl methacrylate)s. <i>Macromolecules</i> , 2001 , 34, 6312-6317	5.5	6
6	Photo-assisted formation of a chelating diphos ligand from PPh ₃ and a cyclometallated [P(C ₆ H ₄)(C ₆ H ₅) ₂] ligand. Crystal structure of Pd{ η -o-[P(C ₆ H ₅) ₂] ₂ (C ₆ H ₄)}Br ₂ . <i>Journal of Organometallic Chemistry</i> , 2000 , 596, 248-251	2.3	10
5	Memory function for dielectric relaxation. <i>Journal of Chemical Physics</i> , 2000 , 113, 11258-11263	3.9	3
4	Synthesis, reactivity, and X-ray crystallographic characterization of mono-, di-, and tetranuclear palladium(II)-metalated species. <i>Inorganic Chemistry</i> , 2000 , 39, 5964-9	5.1	29
3	A new structural type of dinuclear rhodium(II) compounds: synthesis by serendipity and design; catalytic behaviour in carbene transfer reactions \square <i>Journal of the Chemical Society Dalton Transactions</i> , 1999 , 3493-3498		12
2	Synthesis and X-ray Crystallographic Characterization of (η -Diphenylphosphino)phenyl-C ₂ ,P)palladium Bromide. A Novel Tetranuclear Metalated Compound. <i>Inorganic Chemistry</i> , 1997 , 36, 6472-6475	5.1	29
1	Photochemical ligand rearrangement in dirhodium(II) compounds. Structure of Rh ₂ (O ₂ CCH ₃) ₂ (η -O ₂ CCH ₃)[(C ₆ H ₄)PPh ₂](η -PCCl)(PCCl?P-ClC ₆ H ₄)Ph ₂ . <i>Inorganica Chimica Acta</i> , 1995 , 229, 203-209	2.7	15