

# Javier Pinto

## List of Publications by Year in descending order

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45  
papers

1,528  
citations

304368

22  
h-index

315357

38  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1206  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental validation of the Knudsen effect in nanocellular polymeric foams. <i>Polymer</i> , 2015, 56, 57-67.	1.8	212
2	Nanoporous polymeric materials: A new class of materials with enhanced properties. <i>Progress in Materials Science</i> , 2016, 78-79, 93-139.	16.0	153
3	Characterization of the cellular structure based on user-interactive image analysis procedures. <i>Journal of Cellular Plastics</i> , 2013, 49, 555-575.	1.2	137
4	Towards a new generation of polymeric foams: PMMA nanocellular foams with enhanced physical properties. <i>Polymer</i> , 2015, 63, 116-126.	1.8	120
5	Nanocellular CO <sub>2</sub> foaming of PMMA assisted by block copolymer nanostructuration. <i>Chemical Engineering Journal</i> , 2014, 243, 428-435.	6.6	80
6	Surface modification of polymeric foams for oil spills remediation. <i>Journal of Environmental Management</i> , 2018, 206, 872-889.	3.8	77
7	Effect of the porous structure of polymer foams on the remediation of oil spills. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 145601.	1.3	63
8	Temperature influence and CO <sub>2</sub> transport in foaming processes of poly(methyl methacrylate)-block copolymer nanocellular and microcellular foams. <i>Journal of Supercritical Fluids</i> , 2014, 94, 198-205.	1.6	55
9	Spent Coffee Bioelastomeric Composite Foams for the Removal of Pb <sup>2+</sup> and Hg <sup>2+</sup> from Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 5495-5502.	3.2	50
10	Low-Density Nanocellular Foams Produced by High-Pressure Carbon Dioxide. <i>Macromolecular Materials and Engineering</i> , 2011, 296, 752-759.	1.7	46
11	Block Copolymers Self-Assembly Allows Obtaining Tunable Micro or Nanoporous Membranes or Depth Filters Based on PMMA; Fabrication Method and Nanostructures. <i>Journal of Physical Chemistry C</i> , 2014, 118, 4656-4663.	1.5	38
12	Antibacterial Melamine Foams Decorated with <i>In Situ</i> Synthesized Silver Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 16095-16104.	4.0	35
13	Modeling the heat transfer by conduction of nanocellular polymers with bimodal cellular structures. <i>Polymer</i> , 2019, 160, 126-137.	1.8	33
14	Molecular confinement of solid and gaseous phases of self-standing bulk nanoporous polymers inducing enhanced and unexpected physical properties. <i>Polymer</i> , 2017, 113, 27-33.	1.8	32
15	Dielectric behavior of porous PMMA: From the micrometer to the nanometer scale. <i>Polymer</i> , 2016, 107, 302-305.	1.8	30
16	Nanoporous PMMA: A novel system with different acoustic properties. <i>Materials Letters</i> , 2016, 168, 76-79.	1.3	29
17	Nanoporous PMMA foams with templated pore size obtained by localized in situ synthesis of nanoparticles and CO <sub>2</sub> foaming. <i>Polymer</i> , 2017, 124, 176-185.	1.8	29
18	Enhanced oil removal from water in oil stable emulsions using electrospun nanocomposite fiber mats. <i>RSC Advances</i> , 2018, 8, 7641-7650.	1.7	28

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19	Application of a microfocuss X-ray imaging apparatus to the study of cellular polymers. <i>Polymer Testing</i> , 2013, 32, 321-329.	2.3	26
20	Oil removal from water-oil emulsions using magnetic nanocomposite fibrous mats. <i>RSC Advances</i> , 2016, 6, 71100-71107.	1.7	26
21	Low-density PMMA/MAM nanocellular polymers using low MAM contents: Production and characterization. <i>Polymer</i> , 2019, 163, 115-124.	1.8	26
22	Understanding the role of MAM molecular weight in the production of PMMA/MAM nanocellular polymers. <i>Polymer</i> , 2018, 153, 262-270.	1.8	25
23	Facile Oil Removal from Water-in-Oil Stable Emulsions Using PU Foams. <i>Materials</i> , 2018, 11, 2382.	1.3	20
24	Enhanced nitrates-polluted water remediation by polyurethane/sepiolite cellular nanocomposites. <i>Journal of Cleaner Production</i> , 2020, 254, 120038.	4.6	20
25	Reusable nanocomposite-coated polyurethane foams for the remediation of oil spills. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 2055-2066.	1.8	19
26	Block Copolymer-Assisted Microcellular Supercritical CO <sub>2</sub> Foaming of Polymers and Blends. <i>Frontiers in Forests and Global Change</i> , 2012, 31, 207-222.	0.6	17
27	On the interaction of infrared radiation and nanocellular polymers: First experimental determination of the extinction coefficient. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 600, 124937.	2.3	15
28	A new generation of hollow polymeric microfibers produced by gas dissolution foaming. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8820-8829.	2.9	14
29	Solid Skin Characterization of PMMA/MAM Foams Fabricated by Gas Dissolution Foaming over a Range of Pressures. <i>Defect and Diffusion Forum</i> , 2012, 326-328, 434-439.	0.4	10
30	Advanced Nanocellular Foams: Perspectives on the Current Knowledge and Challenges. <i>Nanomaterials</i> , 2021, 11, 621.	1.9	10
31	Improving the extensional rheological properties and foamability of high-density polyethylene by means of chemical crosslinking. <i>Journal of Cellular Plastics</i> , 2018, 54, 333-357.	1.2	8
32	Analysis of the retrograde behavior in PMMA-CO <sub>2</sub> systems by measuring the (effective) glass transition temperature using refractive index variations. <i>Journal of Supercritical Fluids</i> , 2021, 170, 105159.	1.6	7
33	A novel route to produce structural polymer foams with a controlled solid skin-porous core structure based on gas diffusion mechanisms. <i>Journal of Sandwich Structures and Materials</i> , 2020, 22, 822-832.	2.0	6
34	Transport Properties of One-Step Compression Molded Epoxy Nanocomposite Foams. <i>Polymers</i> , 2019, 11, 756.	2.0	5
35	Non-Invasive Approaches for the Evaluation of the Functionalization of Melamine Foams with In-Situ Synthesized Silver Nanoparticles. <i>Polymers</i> , 2020, 12, 996.	2.0	5
36	Investigating glass beads and the funerary rituals of ancient Vaccaei culture (S. IV-III BC) by Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 170-185.	1.2	5

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37	Production of cellular polymers without solid outer skins by gas dissolution foaming: A long-sought step towards new applications. <i>Materials and Design</i> , 2022, 217, 110648.	3.3	5
38	Sub-pixel Tomographic Methods for Characterizing the Solid Architecture of Foams. <i>Microscopy and Microanalysis</i> , 2022, 28, 689-700.	0.2	4
39	Melamine Foams Decorated with In-Situ Synthesized Gold and Palladium Nanoparticles. <i>Polymers</i> , 2020, 12, 934.	2.0	3
40	Nanoporous polymer foams from nanostructured polymer blends. , 2017, , 237-288.		2
41	Microcellular foams production from nanocomposites based on PS using MOF nanoparticles with enhanced CO <sub>2</sub> properties as nucleating agent. <i>Journal of Cellular Plastics</i> , 0, , 0021955X2210875.	1.2	2
42	Nanostructure of PMMA/MAM Blends Prepared by Out-of-Equilibrium (Extrusion) and Near-Equilibrium (Casting) Self-Assembly and Their Nanocellular or Microcellular Structure Obtained from CO <sub>2</sub> Foaming. <i>Nanomaterials</i> , 2021, 11, 2834.	1.9	1
43	<i>In Situ</i> Optical Analysis of Structural Changes in Polylactic Acid (PLA) during the Gas Dissolution Process. <i>Defect and Diffusion Forum</i> , 2014, 353, 131-136.	0.4	0
44	Enhancement of Carbon Nanofibers Dispersion on Epoxy Resin Foams Leading to Remarkable Electrical Conductivity Improvement. <i>Frontiers in Forests and Global Change</i> , 2016, 35, 217-234.	0.6	0
45	Archaeometric Study of Pictorial Stratigraphies from a Togatus Roman Sculpture found in Salamanca (Spain). <i>Zephyrus</i> , 0, 88, 193-207.	0.5	0