

# Daniel Grande

## List of Publications by Citations

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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.

108  
papers

2,245  
citations

27  
h-index

43  
g-index

112  
ext. papers

2,537  
ext. citations

4.8  
avg, IF

5.12  
L-index

#	Paper	IF	Citations
108	Phenolic resins: 2. Influence of catalyst type on reaction mechanisms and kinetics. <i>Polymer</i> , <b>1996</b> , 37, 1363-1369	3.9	111
107	Biocomposite scaffolds based on electrospun poly(3-hydroxybutyrate) nanofibers and electrosprayed hydroxyapatite nanoparticles for bone tissue engineering applications. <i>Materials Science and Engineering C</i> , <b>2014</b> , 38, 161-9	8.3	95
106	Glycosaminoglycan mimetic biomaterials. 4. Synthesis of sulfated lactose-based glycopolymers that exhibit anticoagulant activity. <i>Biomacromolecules</i> , <b>2002</b> , 3, 1065-70	6.9	94
105	Design and synthesis of biotin chain-terminated glycopolymers for surface glycoengineering. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 7258-9	16.4	94
104	Electrospinning as a powerful technique for biomedical applications: a critically selected survey. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2016</b> , 27, 157-76	3.5	91
103	Comprehensive review on electrospinning techniques as versatile approaches toward antimicrobial biopolymeric composite fibers. <i>Materials Science and Engineering C</i> , <b>2019</b> , 101, 306-322	8.3	87
102	Porous structure of ion exchange membranes investigated by various techniques. <i>Advances in Colloid and Interface Science</i> , <b>2017</b> , 246, 196-216	14.3	73
101	Structure and properties of heterogeneous and homogeneous ion-exchange membranes subjected to ageing in sodium hypochlorite. <i>Journal of Membrane Science</i> , <b>2014</b> , 452, 104-116	9.6	66
100	Ageing of ion-exchange membranes in electrodialysis: A structural and physicochemical investigation. <i>Journal of Membrane Science</i> , <b>2013</b> , 436, 68-78	9.6	61
99	Novel antibacterial electrospun mats based on poly(d,l-lactide) nanofibers and zinc oxide nanoparticles. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 8373-8385	4.3	58
98	Glycosaminoglycan Mimetic Biomaterials. 2. Alkene- and Acrylate-Derivatized Glycopolymers via Cyanoxyl-Mediated Free-Radical Polymerization. <i>Macromolecules</i> , <b>2001</b> , 34, 1640-1646	5.5	58
97	New cation-exchange membranes based on cross-linked sulfonated polystyrene and polyethylene for power generation systems. <i>Journal of Membrane Science</i> , <b>2016</b> , 515, 196-203	9.6	57
96	Evolution of anion-exchange membrane properties in a full scale electrodialysis stack. <i>Journal of Membrane Science</i> , <b>2013</b> , 446, 255-265	9.6	56
95	Effects of acid/base cleaning procedure on structure and properties of anion-exchange membranes used in electrodialysis. <i>Journal of Membrane Science</i> , <b>2016</b> , 507, 12-23	9.6	55
94	Poly(d,l-lactide)/poly(methyl methacrylate) interpenetrating polymer networks: Synthesis, characterization, and use as precursors to porous polymeric materials. <i>Polymer</i> , <b>2007</b> , 48, 7017-7028	3.9	52
93	Electrospinning and electrospraying techniques for designing novel antibacterial poly(3-hydroxybutyrate)/zinc oxide nanofibrous composites. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 8593-8609	4.3	44
92	Glycosaminoglycan-mimetic biomaterials. 3. Glycopolymers prepared from alkene-derivatized mono- and disaccharide-based glycomonomers. <i>Bioconjugate Chemistry</i> , <b>2002</b> , 13, 1309-13	6.3	43

91	From design of bio-based biocomposite electrospun scaffolds to osteogenic differentiation of human mesenchymal stromal cells. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2014</b> , 25, 1563-75	4.5	41
90	Design of Porous Polymeric Materials from Interpenetrating Polymer Networks (IPNs): Poly(dl-lactide)/Poly(methyl methacrylate)-Based Semi-IPN Systems. <i>Macromolecules</i> , <b>2005</b> , 38, 7274-7285	5.5	41
89	Design of functionalized biodegradable PHA-based electrospun scaffolds meant for tissue engineering applications. <i>New Biotechnology</i> , <b>2017</b> , 37, 129-137	6.4	38
88	Mitigation of membrane scaling in electrodialysis by electroconvection enhancement, pH adjustment and pulsed electric field application. <i>Journal of Membrane Science</i> , <b>2018</b> , 549, 129-140	9.6	37
87	Ageing of ion-exchange membranes used in electrodialysis: Investigation of static parameters, electrolyte permeability and tensile strength. <i>Separation and Purification Technology</i> , <b>2011</b> , 80, 270-275	8.3	37
86	Improvement of mechanical properties and antibacterial activity of electrospun poly(d, l-lactide)-based mats by incorporation of ZnO-graft-poly(d, l-lactide) nanoparticles. <i>Materials Chemistry and Physics</i> , <b>2016</b> , 182, 324-331	4.4	34
85	Versatile photochemical surface modification of biopolyester microfibrillar scaffolds with photogenerated silver nanoparticles for antibacterial activity. <i>Advanced Healthcare Materials</i> , <b>2013</b> , 2, 1008-18	10.1	31
84	Ageing of ion-exchange membranes in oxidant solutions. <i>Separation and Purification Technology</i> , <b>2009</b> , 69, 43-47	8.3	30
83	Effect of homogenization and hydrophobization of a cation-exchange membrane surface on its scaling in the presence of calcium and magnesium chlorides during electrodialysis. <i>Journal of Membrane Science</i> , <b>2017</b> , 540, 183-191	9.6	28
82	Functionalized ordered nanoporous polymeric materials: From the synthesis of diblock copolymers to their nanostructuring and their selective degradation. <i>Microporous and Mesoporous Materials</i> , <b>2011</b> , 140, 34-39	5.3	28
81	Water desalination by neutralization dialysis with ion-exchange membranes: Flow rate and acid/alkali concentration effects. <i>Desalination</i> , <b>2015</b> , 361, 13-24	10.3	26
80	Facile fabrication of doubly porous polymeric materials with controlled nano- and macro-porosity. <i>Polymer</i> , <b>2015</b> , 78, 13-21	3.9	25
79	Porous polymers and metallic nanoparticles: A hybrid wedding as a robust method toward efficient supported catalytic systems. <i>Progress in Polymer Science</i> , <b>2019</b> , 96, 21-42	29.6	24
78	Structural and physicochemical investigation of ageing of ion-exchange membranes in electrodialysis for food industry. <i>Separation and Purification Technology</i> , <b>2014</b> , 123, 229-234	8.3	24
77	Swelling and permeability of Nafion <sup>®</sup> 117 in water-methanol solutions: An experimental and modelling investigation. <i>Journal of Membrane Science</i> , <b>2011</b> , 377, 54-64	9.6	23
76	Influence of the water state on the ionic conductivity of ion-exchange membranes based on polyethylene and sulfonated grafted polystyrene. <i>Materials Chemistry and Physics</i> , <b>2017</b> , 197, 192-199	4.4	20
75	Thiol-functionalized nanoporous polymers: from their synthesis to further adsorption of gold nanoparticles and subsequent use as efficient catalytic supports. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 8105-8111	4.9	20
74	Engineering functional doubly porous PHEMA-based materials. <i>Polymer</i> , <b>2014</b> , 55, 373-379	3.9	20

73	Microwave-Assisted Ring-Opening Polymerization of D,L-Lactide: A Probe for the Nonexistence of Nonthermal Microwave Effects. <i>Macromolecular Chemistry and Physics</i> , <b>2012</b> , 213, 784-788	2.6	20
72	Designing and modeling doubly porous polymeric materials. <i>European Physical Journal: Special Topics</i> , <b>2015</b> , 224, 1689-1706	2.3	19
71	Porous polystyrene-based monolithic materials templated by semi-interpenetrating polymer networks for capillary electrochromatography. <i>Polymer</i> , <b>2010</b> , 51, 5890-5894	3.9	19
70	Novel routes to epoxy functionalization of PHA-based electrospun scaffolds as ways to improve cell adhesion. <i>Journal of Polymer Science Part A</i> , <b>2014</b> , 52, 816-824	2.5	17
69	Novel Functional Mesoporous Materials Obtained from Nanostructured Diblock Copolymers. <i>Macromolecular Symposia</i> , <b>2010</b> , 287, 127-134	0.8	17
68	Original route to polylactide-polystyrene diblock copolymers containing a sulfonyl group at the junction between both blocks as precursors to functional nanoporous materials. <i>Reactive and Functional Polymers</i> , <b>2012</b> , 72, 495-502	4.6	16
67	Porous Gold Nanoparticle-Decorated Nanoreactors Prepared from Smartly Designed Functional Polystyrene-block-Poly(d,l-Lactide) Diblock Copolymers: Toward Efficient Systems for Catalytic Cascade Reaction Processes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 31279-31290	9.5	15
66	Feature Article: Design of Porous Polymeric Materials from Miscellaneous Macromolecular Architectures: An Overview. <i>Polymer News</i> , <b>2004</b> , 29, 205-212		15
65	UV-cured thiol-ene eugenol/ZnO composite materials with antibacterial properties. <i>RSC Advances</i> , <b>2016</b> , 6, 88135-88142	3.7	15
64	Application of ionic liquids in thermosetting polymers: Epoxy and cyanate ester resins. <i>EXPRESS Polymer Letters</i> , <b>2018</b> , 12, 898-917	3.4	15
63	Novel hypercrosslinking approach toward high surface area functional 2-hydroxyethyl methacrylate-based polyHIPEs. <i>Reactive and Functional Polymers</i> , <b>2018</b> , 132, 51-59	4.6	15
62	Synthesis, morphology, and thermal stability of nanoporous cyanate ester resins obtained upon controlled monomer conversion. <i>European Polymer Journal</i> , <b>2015</b> , 73, 94-104	5.2	14
61	Drugs Loaded into Electrospun Polymeric Nanofibers for Delivery. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , <b>2019</b> , 22, 313-331	3.4	14
60	Annealing behavior and thermal stability of nanoporous polymer films based on high-performance Cyanate Ester Resins. <i>Polymer Degradation and Stability</i> , <b>2015</b> , 120, 402-409	4.7	13
59	Toward the controlled production of oligoesters by microwave-assisted degradation of poly(3-hydroxyalkanoate)s. <i>Polymer Degradation and Stability</i> , <b>2012</b> , 97, 322-328	4.7	13
58	Porous Poly(styrene-co-divinylbenzene) Neutral Monolith: From Design and Characterization to Reversed-Phase Capillary Electrochromatography Applications. <i>Macromolecular Chemistry and Physics</i> , <b>2012</b> , 213, 64-71	2.6	13
57	One-Pot Formation of ZnO-graft-Poly(d,l-Lactide) Hybrid Systems via Microwave-Assisted Polymerization of d,l-Lactide in the Presence of ZnO Nanoparticles. <i>Macromolecular Chemistry and Physics</i> , <b>2015</b> , 216, 1629-1637	2.6	13
56	Cyanoxyl-mediated free-radical polymerization of acrylic acid: Its scope and limitations. <i>Journal of Polymer Science Part A</i> , <b>2005</b> , 43, 519-533	2.5	13

55	Gold nanoparticles immobilized on porous monoliths obtained from disulfide-based dimethacrylate: Application to supported catalysis. <i>Polymer</i> , <b>2017</b> , 126, 455-462	3.9	11
54	From the functionalization of polyelectrolytes to the development of a versatile approach to the synthesis of polyelectrolyte multilayer films with enhanced stability. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 24472-24483	13	11
53	Nanopore generation in hybrid polycyanurate/poly( $\epsilon$ -caprolactone) thermostable networks. <i>European Polymer Journal</i> , <b>2011</b> , 47, 1736-1745	5.2	11
52	Computation of permeability with Fast Fourier Transform from 3-D digital images of porous microstructures. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2016</b> , 26, 1328-1345	4.5	11
51	Electrospun Fibers and Sorbents as a Possible Basis for Effective Composite Wound Dressings. <i>Micromachines</i> , <b>2020</b> , 11,	3.3	10
50	Photo-degradation of electrospun composite mats based on poly(D,L-lactide) submicron fibers and zinc oxide nanoparticles. <i>Polymer Degradation and Stability</i> , <b>2018</b> , 152, 95-104	4.7	10
49	Novel mesoporous high-performance films derived from polycyanurate networks containing high-boiling temperature liquids. <i>European Polymer Journal</i> , <b>2013</b> , 49, 2162-2171	5.2	10
48	Microwave-assisted synthesis and characterization of biodegradable block copolyesters based on poly(3-hydroxyalkanoate)s and poly(D,L-lactide). <i>Journal of Polymer Science Part A</i> , <b>2012</b> , 50, 1445-1455	2.5	10
47	Simultaneous Au Extraction and In Situ Formation of Polymeric Membrane-Supported Au Nanoparticles: A Sustainable Process with Application in Catalysis. <i>ChemSusChem</i> , <b>2017</b> , 10, 1482-1493	8.3	9
46	Nanoporous Polymer Films of Cyanate Ester Resins Designed by Using Ionic Liquids as Porogens. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 126	5	9
45	Acceleration effect of ionic liquids on polycyclotrimerization of dicyanate esters. <i>EXPRESS Polymer Letters</i> , <b>2016</b> , 10, 722-729	3.4	9
44	Experimental investigation of neutralization dialysis in three-compartment membrane stack. <i>Desalination and Water Treatment</i> , <b>2015</b> , 56, 2567-2575		8
43	Tailoring doubly porous poly(2-hydroxyethyl methacrylate)-based materials via thermally induced phase separation. <i>Polymer</i> , <b>2016</b> , 86, 138-146	3.9	8
42	Drying of a Compressible Biporous Material. <i>Physical Review Applied</i> , <b>2020</b> , 13,	4.3	8
41	Structure-Property relationships in nanocomposites based on cyanate ester resins and 1-heptyl pyridinium tetrafluoroborate ionic liquid. <i>Polymer</i> , <b>2018</b> , 148, 14-26	3.9	7
40	Nanoporous networks derived from functional semi-Interpenetrating Polymer Networks: Preparation and use as ion-exchange chromatographic supports. <i>Polymer Bulletin</i> , <b>2008</b> , 61, 129-135	2.4	7
39	Synergistic actions of mixed small and large pores for capillary absorption through biporous polymeric materials. <i>Soft Matter</i> , <b>2018</b> , 14, 8137-8146	3.6	7
38	Macroscopic permeability of doubly porous materials with cylindrical and spherical macropores. <i>Meccanica</i> , <b>2019</b> , 54, 1583-1596	2.1	6

37	Ageing of ion-exchange membranes used in an electrodialysis for food industry: SEM, EDX, and limiting current investigations. <i>Desalination and Water Treatment</i> , <b>2015</b> , 56, 2561-2566		6
36	Novel Polymeric Materials with Double Porosity: Synthesis and Characterization. <i>Macromolecular Symposia</i> , <b>2014</b> , 340, 18-27	0.8	6
35	In situ investigation of electrical inhomogeneity of ion exchange membrane surface using scanning electrochemical microscopy. <i>Petroleum Chemistry</i> , <b>2016</b> , 56, 1006-1013	1.1	6
34	Fractional factorial design of water desalination by neutralization dialysis process: concentration, flow rate, and volume effects. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 14403-14413		5
33	Versatile functionalization platform of biporous poly(2-hydroxyethyl methacrylate)-based materials: Application in heterogeneous supported catalysis. <i>Reactive and Functional Polymers</i> , <b>2017</b> , 121, 91-100	4.6	5
32	Novel Routes to Functional (Meso)Porous Cross-Linked Polymers Using (Semi-)Interpenetrating Polymer Networks as Nanostructured Precursors. <i>Macromolecular Symposia</i> , <b>2010</b> , 291-292, 168-176	0.8	5
31	Computation of macroscopic permeability of doubly porous media with FFT based numerical homogenization method. <i>European Journal of Mechanics, B/Fluids</i> , <b>2020</b> , 83, 141-155	2.4	5
30	A new route toward imidazoline-functionalized porous polymeric materials from corresponding polystyrene-poly lactide diblock copolymers. <i>Reactive and Functional Polymers</i> , <b>2016</b> , 104, 62-70	4.6	5
29	Non-covalent functionalization of single walled carbon nanotubes with Fe-/Co-porphyrin and Co-phthalocyanine for field-effect transistor applications. <i>Organic Electronics</i> , <b>2021</b> , 96, 106212	3.5	5
28	Effect of ionic liquids on kinetic parameters of dicyanate ester polycyclotrimerization and on thermal and viscoelastic properties of resulting cyanate ester resins. <i>EXPRESS Polymer Letters</i> , <b>2019</b> , 13, 469-483	3.4	4
27	Two-step synergetic formation of highly porous morphology during copolymerization of hydroxyethyl methacrylate and ethylene glycol dimethylacrylate. <i>Materials Today Communications</i> , <b>2016</b> , 7, 16-21	2.5	4
26	Performance of Zinc Oxide Nanoparticles as Polymerization Initiating Systems in the Microwave-Assisted Synthesis of Poly(d,l-Lactide)/ZnO Nanocomposites. <i>Macromolecular Symposia</i> , <b>2017</b> , 374, 1600102	0.8	4
25	Oligoester-Derivatized (Semi-)Interpenetrating Polymer Networks as Nanostructured Precursors to Porous Materials with Tunable Porosity. <i>Chemistry Africa</i> , <b>2019</b> , 2, 253-265	2.2	3
24	Nanoporous Polycyanurates Created by Chemically-Induced Phase Separation: Structure-Property Relationships. <i>Macromolecular Symposia</i> , <b>2014</b> , 341, 57-66	0.8	3
23	Mesoporous Polymeric Materials Tailored from Oligoester-Derivatized Interpenetrating Polymer Networks. <i>Macromolecular Symposia</i> , <b>2008</b> , 267, 21-26	0.8	3
22	Photoinduced synthesis of antibacterial hydrogel from aqueous photoinitiating system. <i>European Polymer Journal</i> , <b>2020</b> , 138, 109936	5.2	3
21	Matériaux poreux fonctionnalisés issus de réseaux (semi-)interpénétrés de polymères : synthèse et caractérisation. <i>Materiaux Et Techniques</i> , <b>2013</b> , 101, 405	0.6	2
20	Electrospinning and Electro spraying Techniques for Designing Antimicrobial Polymeric Biocomposite Mats <b>2016</b> ,		2

19	Optimization of the Synthesis of Natural Polymeric Nanoparticles of Inulin Loaded with Quercetin: Characterization and Cytotoxicity Effect. <i>Pharmaceutics</i> , <b>2022</b> , 14, 888	6.4	2
18	Nanoporous Cyanate Ester Resins: Structure-Gas Transport Property Relationships. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 305	5	1
17	Controlled allylation of polyelectrolytes: a deep insight into chemical aspects and their applicability as building blocks for robust multilayer coatings. <i>Pure and Applied Chemistry</i> , <b>2019</b> , 91, 983-995	2.1	1
16	Thermally stable nanoporous cyanate ester resin/linear polyurethane hybrid networks created by nuclear technologies. <i>Polymer</i> , <b>2021</b> , 228, 123831	3.9	1
15	Biporous Crosslinked Polymers With Controlled Pore Size and Connectivity. <i>Macromolecular Symposia</i> , <b>2016</b> , 365, 49-58	0.8	1
14	Functionalized Doubly Porous Networks: From Synthesis to Application in Heterogeneous Catalysis. <i>Macromolecular Symposia</i> , <b>2016</b> , 365, 40-48	0.8	1
13	Synthesis of triazole-functionalized diblock copolymers as templates for porous materials. <i>Reactive and Functional Polymers</i> , <b>2021</b> , 164, 104919	4.6	1
12	Raw and processed data used in non-covalent functionalization of single walled carbon nanotubes with Co-porphyrin and Co-phthalocyanine and its effect on field-effect transistor characteristics. <i>Data in Brief</i> , <b>2021</b> , 38, 107366	1.2	1
11	Study of functionality of polymer films by dense electron beams. <i>Polymer Journal</i> , <b>2020</b> , 42, 254-261	0.3	0
10	Evaluation of halogen chain-end functionality in 2-bromo-2-methylpropanoate esters of poly(oxyalkylene) polymers by MALDI-TOF spectroscopy. <i>Polymer Bulletin</i> , <b>2020</b> , 78, 5641	2.4	0
9	Versatile approach to nanoporous polymers with bicontinuous morphology using metal templated synthesis. <i>European Polymer Journal</i> , <b>2021</b> , 153, 110509	5.2	0
8	Investigation of morphology associated with biporous polymeric materials obtained by the double porogen templating approach. <i>Colloid and Polymer Science</i> , <b>2021</b> , 299, 537-550	2.4	0
7	Gold nanoparticles supported onto amine-functionalized in-capillary monoliths meant for flow-through catalysis: A comparative study. <i>Polymer</i> , <b>2021</b> , 230, 124014	3.9	0
6	Use of Micro- and Nano-ZnO particles as Catalysts for the Microwave-Assisted Polymerization of D,L-lactide. <i>Materials Research Society Symposia Proceedings</i> , <b>2015</b> , 1767, 3-9		
5	Harnessing Biopolyesters in the Design of Functional and Nanostructured Architectures. <i>ACS Symposium Series</i> , <b>2012</b> , 187-199	0.4	
4	Les matériaux poreux : un domaine scientifique et technologique pluridisciplinaire au futur radieux. <i>Materiaux Et Techniques</i> , <b>2015</b> , 103, 701	0.6	
3	Reaux dégradables à base de polylactide renforcé par la cellulose. <i>Materiaux Et Techniques</i> , <b>2014</b> , 102, 202	0.6	
2	Macro-, Meso-, and Nanoporous Systems Designed from IPNs <b>2016</b> , 127-143		

1 Porous Polymers by Block Copolymer Templating 1-26