

# Fabrice Gouanve

## List of Publications by Year in descending order

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33  
papers

598  
citations

623734

14  
h-index

610901

24  
g-index

34  
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34  
docs citations

34  
times ranked

896  
citing authors

#	ARTICLE	IF	CITATIONS
1	Green synthesis of colloid silver nanoparticles and resulting biodegradable starch/silver nanocomposites. <i>Carbohydrate Polymers</i> , 2014, 108, 291-298.	10.2	106
2	Proton Conducting Ionic Liquid Doped Nafion Membranes: Nano-Structuration, Transport Properties and Water Sorption. <i>Journal of Physical Chemistry C</i> , 2012, 116, 24413-24423.	3.1	53
3	Preparation, characterization and barrier properties of silver/montmorillonite/starch nanocomposite films. <i>Journal of Membrane Science</i> , 2016, 497, 162-171.	8.2	42
4	Synergism Effect of Montmorillonite and Cellulose Whiskers on the Mechanical and Barrier Properties of Natural Rubber Composites. <i>Macromolecular Materials and Engineering</i> , 2011, 296, 760-769.	3.6	38
5	Influence of film processing conditions on the morphology of polyamide 6: Consequences on water and ethanol sorption properties. <i>Journal of Membrane Science</i> , 2012, 415-416, 670-680.	8.2	31
6	Comparative Study of Proton Conducting Ionic Liquid Doped Nafion Membranes Elaborated by Swelling and Casting Methods: Processing Conditions, Morphology, and Functional Properties. <i>Journal of Physical Chemistry C</i> , 2014, 118, 14157-14168.	3.1	31
7	Study of the influences of film processing conditions and glycerol amount on the water sorption and gas barrier properties of novel sodium caseinate films. <i>Journal of Membrane Science</i> , 2015, 478, 1-11.	8.2	31
8	Starch/silver nanocomposite: Effect of thermal treatment temperature on the morphology, oxygen and water transport properties. <i>Carbohydrate Polymers</i> , 2015, 134, 635-645.	10.2	26
9	Fluorohexane network and sulfonated PEEK based semi-IPNs for fuel cell membranes. <i>Journal of Membrane Science</i> , 2012, 389, 57-66.	8.2	19
10	Improvement of Barrier Properties of Biodegradable Polybutylene Succinate/Graphene Nanoplatelets Nanocomposites Prepared by Melt Process. <i>Membranes</i> , 2021, 11, 151.	3.0	17
11	Convenient Synthesis and Properties of Polypropyleneimine Dendrimer-Functionalized Polymer Nanoparticles. <i>Small</i> , 2008, 4, 833-840.	10.0	16
12	Influence of different perfluorinated anion based ionic liquids on the intrinsic properties of Nafion®. <i>Journal of Membrane Science</i> , 2015, 495, 445-456.	8.2	16
13	Poly(caprolactone)/clay masterbatches prepared in supercritical CO <sub>2</sub> as efficient clay delamination promoters in poly(styrene-co-acrylonitrile). <i>Journal of Materials Chemistry</i> , 2008, 18, 4623.	6.7	15
14	Polyelectrolyte/fluorinated polymer interpenetrating polymer networks as fuel cell membrane. <i>Journal of Membrane Science</i> , 2013, 429, 168-180.	8.2	15
15	Influence of montmorillonite and film processing conditions on the morphology of polyamide 6: Effect on ethanol and toluene barrier properties. <i>Journal of Membrane Science</i> , 2014, 450, 487-498.	8.2	14
16	Polypropylene/layered double hydroxide nanocomposites: Synergistic effect of designed filler modification and compatibilizing agent on the morphology, thermal, and mechanical properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 782-794.	2.1	14
17	Annealing behavior and thermal stability of nanoporous polymer films based on high-performance Cyanate Ester Resins. <i>Polymer Degradation and Stability</i> , 2015, 120, 402-409.	5.8	14
18	Investigation of water sorption, gas barrier and antimicrobial properties of polycaprolactone films contain modified graphene. <i>Journal of Materials Science</i> , 2021, 56, 497-512.	3.7	13

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19	A Protein-Based Material from a New Approach Using Whole Defatted Larvae, and Its Interaction with Moisture. <i>Polymers</i> , 2019, 11, 287.	4.5	11
20	Erasure of the processing effects in polyamide 6 based cast films by the introduction of montmorillonite: Effect on water and oxygen transport properties. <i>Journal of Membrane Science</i> , 2014, 456, 11-20.	8.2	10
21	Gas barrier properties of polylactide/cellulose nanocrystals nanocomposites. <i>Polymer Testing</i> , 2022, 113, 107683.	4.8	10
22	Influence of Chemical Structure on Hydration and Gas Transport Mechanisms of Sulfonated Poly(aryl) Ether Ether Ketone (PEEK) Membranes. <i>Journal of Membrane Science</i> , 2018, 558, 1-12.	2.8	9
23	Effect of silver nanoparticles' generation routes on the morphology, oxygen, and water transport properties of starch nanocomposite films. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	9
24	Water Sorption and Mechanical Properties of Cellulosic Derivative Fibers. <i>Polymers</i> , 2022, 14, 2836.	4.5	8
25	Development of Breathable Pebax®/PEG Films for Optimization of the Shelf-Life of Fresh Agri-Food Products. <i>Membranes</i> , 2021, 11, 692.	3.0	6
26	A new technique to characterize mono-molecular micelles in random ethylene-propylene copolymers. <i>Colloid and Polymer Science</i> , 2005, 283, 994-1006.	2.1	5
27	Influence of different alkylmethylimidazolium tetrafluoroborate ionic liquids on the structure of pebax <sup>®</sup> films. Consequences on thermal, mechanical, and water sorption and diffusion properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 811-824.	2.1	5
28	Morphology, mechanical, and water transport properties of melt blended EVOH/PVOH films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 838-850.	2.1	5
29	Characterization Of Composites With Flax Fibers Treated With Cold Plasma-Water Permeation And Thermal Analysis. <i>Materials Research Innovations</i> , 2005, 9, 15-17.	2.3	3
30	Influence of the Graphene Filler Nature on the Morphology and Properties of Melt Blended EVOH Based Nanocomposites. <i>Polymers</i> , 2021, 13, 3546.	4.5	3
31	Nanoporous Cyanate Ester Resins: Structure-Gas Transport Property Relationships. <i>Nanoscale Research Letters</i> , 2017, 12, 305.	5.7	1
32	Influence of the PVOH molar mass on the morphology and functional properties of EVOH/PVOH films prepared by melt blending. <i>Journal of Polymer Science</i> , 2021, 59, 70-83.	3.8	1
33	Thermally stable nanoporous cyanate ester resin/linear polyurethane hybrid networks created by nuclear technologies. <i>Polymer</i> , 2021, 228, 123831.	3.8	1