

# Fabien Sala1/4n

## List of Publications by Year in descending order

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71  
papers

2,301  
citations

218592

26  
h-index

233338

45  
g-index

73  
all docs

73  
docs citations

73  
times ranked

2468  
citing authors

#	ARTICLE	IF	CITATIONS
1	Shelf-life and quality of chicken nuggets fortified with encapsulated fish oil and garlic essential oil during refrigerated storage. <i>Journal of Food Science and Technology</i> , 2021, 58, 121-128.	1.4	27
2	Far-Infrared Emission Properties and Thermogravimetric Analysis of Ceramic-Embedded Polyurethane Films. <i>Polymers</i> , 2021, 13, 686.	2.0	8
3	Electrospun PVDF Nanofibers for Piezoelectric Applications: A Review of the Influence of Electrospinning Parameters on the $\beta^2$ Phase and Crystallinity Enhancement. <i>Polymers</i> , 2021, 13, 174.	2.0	149
4	A Comprehensive Review of Microencapsulated Phase Change Materials Synthesis for Low-Temperature Energy Storage Applications. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11900.	1.3	11
5	A green method to fabricate porous polypropylene fibers: development toward textile products and mechanical evaluation. <i>Textile Research Journal</i> , 2020, 90, 547-560.	1.1	7
6	Porous fibers surface decorated with nanofillers: From melt-spun PP/PVA blend fibers with silica nanoparticles. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48470.	1.3	4
7	Development of Novel Polyamide 11 Multifilaments and Fabric Structures Based on Industrial Lignin and Zinc Phosphinate as Flame Retardants. <i>Molecules</i> , 2020, 25, 4963.	1.7	9
8	Influence of a Coaxial Electrospaying System on the n-Hexadecane/Polycaprolactone Phase Change Microcapsules Properties. <i>Materials</i> , 2020, 13, 2205.	1.3	6
9	A New Method for Measuring Water Vapour Transfers Through Fabrics. <i>Fibers and Polymers</i> , 2020, 21, 646-656.	1.1	4
10	Preparation of n-Alkane/Polycaprolactone Phase-Change Microcapsules via Single Nozzle Electro-Spraying: Characterization on Their Formation, Structures and Properties. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 561.	1.3	10
11	The Effects of the Solvent Choice of the Continuous Phase on the Poly(Urea-Urethane) Microcapsules Properties. <i>Journal of Chemical Engineering Research Updates</i> , 2020, 7, 24-33.	0.1	0
12	Nano-encapsulation of fish oil and garlic essential oil by a novel composition of wall material: Persian gum-chitosan. <i>LWT - Food Science and Technology</i> , 2019, 116, 108494.	2.5	54
13	Textiles for health: a review of textile fabrics treated with chitosan microcapsules. <i>Environmental Chemistry Letters</i> , 2019, 17, 1787-1800.	8.3	53
14	Bio-Functional Textiles: Combining Pharmaceutical Nanocarriers with Fibrous Materials for Innovative Dermatological Therapies. <i>Pharmaceutics</i> , 2019, 11, 403.	2.0	32
15	Influence of Solvent Selection in the Electrospaying Process of Polycaprolactone. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 402.	1.3	45
16	Preparation of Electrospayed Poly(caprolactone) Microparticles Based on Green Solvents and Related Investigations on the Effects of Solution Properties as Well as Operating Parameters. <i>Coatings</i> , 2019, 9, 84.	1.2	15
17	Manufacture Techniques of Chitosan-Based Microcapsules to Enhance Functional Properties of Textiles. <i>Sustainable Agriculture Reviews</i> , 2019, , 303-336.	0.6	3
18	Polypropylene/Poly(vinyl alcohol) Blends Compatibilized with Kaolinite Janus Hybrid Particles and Their Transformation into Fibers. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 10931-10940.	1.8	8

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19	Valorization of Industrial Lignin as Biobased Carbon Source in Fire Retardant System for Polyamide 11 Blends. <i>Polymers</i> , 2019, 11, 180.	2.0	18
20	Influence of Ammonium Polyphosphate/Lignin Ratio on Thermal and Fire Behavior of Biobased Thermoplastic: The Case of Polyamide 11. <i>Materials</i> , 2019, 12, 1146.	1.3	24
21	Study and modeling of fabric hydric behavior to improve wearer comfort. <i>Textile Reseach Journal</i> , 2019, 89, 3632-3652.	1.1	1
22	Fire retardant action of zinc phosphinate and polyamide 11 blend containing lignin as a carbon source. <i>Polymer Degradation and Stability</i> , 2018, 153, 63-74.	2.7	29
23	Microstructure Evolution of Immiscible PP-PVA Blends Tuned by Polymer Ratio and Silica Nanoparticles. <i>Polymers</i> , 2018, 10, 1031.	2.0	10
24	Overcoming the Limits of Flash Nanoprecipitation: Effective Loading of Hydrophilic Drug into Polymeric Nanoparticles with Controlled Structure. <i>Polymers</i> , 2018, 10, 1092.	2.0	41
25	Chitosanâ€“Carboxymethylcellulose-Based Polyelectrolyte Complexation and Microcapsule Shell Formulation. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2521.	1.8	41
26	Influence of process parameters on microcapsule formation from chitosanâ€”Type B gelatin complex coacervates. <i>Carbohydrate Polymers</i> , 2018, 198, 281-293.	5.1	34
27	Influence of silica nanoparticles combined with zinc phosphinate on flame retardant properties of PET. <i>Polymers for Advanced Technologies</i> , 2017, 28, 1919-1928.	1.6	15
28	Surface behavior and bulk properties of aqueous chitosan and type-B gelatin solutions for effective emulsion formulation. <i>Carbohydrate Polymers</i> , 2017, 173, 202-214.	5.1	15
29	Thermal Stability and Fire Retardant Properties of Polyamide 11 Microcomposites Containing Different Lignins. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 13704-13714.	1.8	39
30	Water vapor permeability of thermosensitive polyurethane films obtained from isophorone diisocyanate and polyester or polyether polyol. <i>Journal of Materials Science</i> , 2017, 52, 1014-1027.	1.7	6
31	Intumescent formulations based on lignin and phosphinates for the bio-based textiles. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 254, 052004.	0.3	3
32	Chitosan-carboxymethylcellulose based microcapsules formulation for controlled release of active ingredients from cosmeto textile. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 254, 072020.	0.3	6
33	Influence of textile properties on thermal comfort. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 254, 182007.	0.3	10
34	Microencapsulation technology for smart textile coatings. , 2016, , 179-220.		33
35	Application of Flame-Retardant Double-Layered Shell Microcapsules to Nonwoven Polyester. <i>Polymers</i> , 2016, 8, 267.	2.0	7
36	PLA with Intumescent System Containing Lignin and Ammonium Polyphosphate for Flame Retardant Textile. <i>Polymers</i> , 2016, 8, 331.	2.0	112

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37	Development of a Halogen Free Flame Retardant Masterbatch for Polypropylene Fibers. <i>Polymers</i> , 2015, 7, 220-234.	2.0	27
38	Sol-gel microencapsulation of oil phase with Pickering and nonionic surfactant based emulsions. <i>Powder Technology</i> , 2015, 284, 237-244.	2.1	9
39	Flame Retardant/Resistant Based Nanocomposites in Textile. <i>Engineering Materials</i> , 2015, , 131-165.	0.3	5
40	The Influence of 1-Butanol and Trisodium Citrate Ion on Morphology and Chemical Properties of Chitosan-Based Microcapsules during Rigidification by Alkali Treatment. <i>Marine Drugs</i> , 2014, 12, 5801-5816.	2.2	21
41	Development of Multilayer Microcapsules by a Phase Coacervation Method Based on Ionic Interactions for Textile Applications. <i>Pharmaceutics</i> , 2014, 6, 281-297.	2.0	21
42	Preparation of microcapsules by complex coacervation of gum Arabic and chitosan. <i>Carbohydrate Polymers</i> , 2014, 99, 608-616.	5.1	187
43	Synthesis and characterization of chitosan droplet particles by ionic gelation and phase coacervation. <i>Polymer Bulletin</i> , 2014, 71, 1001-1013.	1.7	17
44	A review of heat transfer phenomena and the impact of moisture on firefighters' clothing and protection. <i>Ergonomics</i> , 2014, 57, 1078-1089.	1.1	24
45	Microencapsulation of bisphenol-A bis (diphenyl phosphate) and influence of particle loading on thermal and fire properties of polypropylene and polyethylene terephthalate. <i>Polymer Degradation and Stability</i> , 2013, 98, 2663-2671.	2.7	19
46	Nanoencapsulation of curcumin in polyurethane and polyurea shells by an emulsion diffusion method. <i>Chemical Engineering Journal</i> , 2013, 221, 133-145.	6.6	73
47	Thermo-physical properties of polypropylene fibers containing a microencapsulated flame retardant. <i>Polymers for Advanced Technologies</i> , 2013, 24, 236-248.	1.6	14
48	A novel approach to synthesize and to fix microparticles on cotton fabric. <i>Chemical Engineering Journal</i> , 2012, 213, 78-87.	6.6	14
49	Preparation of microcapsules with multi-layers structure stabilized by chitosan and sodium dodecyl sulfate. <i>Carbohydrate Polymers</i> , 2012, 90, 967-975.	5.1	26
50	Influence of the washings on the thermal properties of polyurea-urethane microcapsules containing xylitol to provide a cooling effect. <i>Materials Letters</i> , 2011, 65, 381-384.	1.3	10
51	Development and characterisation of flame-retardant fibres from isotactic polypropylene melt-compounded with melamine-formaldehyde microcapsules. <i>Polymer Degradation and Stability</i> , 2011, 96, 131-143.	2.7	35
52	Evaluation of thermal and moisture management properties on knitted fabrics and comparison with a physiological model in warm conditions. <i>Applied Ergonomics</i> , 2011, 42, 792-800.	1.7	101
53	Microencapsulation of a cooling agent by interfacial polymerization: Influence of the parameters of encapsulation on poly(urethane-urea) microparticles characteristics. <i>Journal of Membrane Science</i> , 2011, 370, 23-33.	4.1	93
54	Functionalized poly (vinyl alcohol) polymer as chemodosimeter material for the colorimetric sensing of cyanide in pure water. <i>Sensors and Actuators B: Chemical</i> , 2011, 157, 26-33.	4.0	51

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55	Influence of chemical shell structure on the thermal properties of microcapsules containing a flame retardant agent. <i>Polymer Degradation and Stability</i> , 2010, 95, 315-319.	2.7	26
56	Polypropylene fabrics padded with microencapsulated ammonium phosphate: Effect of the shell structure on the thermal stability and fire performance. <i>Polymer Degradation and Stability</i> , 2010, 95, 1716-1720.	2.7	38
57	Thermoregulating response of cotton fabric containing microencapsulated phase change materials. <i>Thermochimica Acta</i> , 2010, 506, 82-93.	1.2	118
58	Influence of the solvent on the microencapsulation of an hydrated salt. <i>Carbohydrate Polymers</i> , 2010, 79, 964-974.	5.1	49
59	Curcumin-Loaded Nanocapsules: Formulation and Influence of the Nanoencapsulation Processes Variables on the Physico-Chemical Characteristics of the Particles. <i>International Journal of Chemical Reactor Engineering</i> , 2009, 7, .	0.6	8
60	Investigation of Water Absorption and Diffusion in Microparticles Containing Xylitol to Provide a Cooling Effect by Thermal Analysis. <i>International Journal of Thermophysics</i> , 2009, 30, 1242-1256.	1.0	10
61	Preparation of double layered shell microparticles containing an acid dye by a melt dispersion-coacervation technique. <i>Powder Technology</i> , 2009, 192, 375-383.	2.1	12
62	Influence of process parameters on microcapsules loaded with n-hexadecane prepared by in situ polymerization. <i>Chemical Engineering Journal</i> , 2009, 155, 457-465.	6.6	116
63	Effects of microparticles on isotactic polypropylene: Thermomechanical and thermal properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008, 46, 2566-2576.	2.4	15
64	Preparation of multinuclear microparticles using a polymerization in emulsion process. <i>Journal of Applied Polymer Science</i> , 2008, 107, 2444-2452.	1.3	19
65	Development of a precipitation method intended for the entrapment of hydrated salt. <i>Carbohydrate Polymers</i> , 2008, 73, 231-240.	5.1	24
66	Polymer nanoparticles to decrease thermal conductivity of phase change materials. <i>Thermochimica Acta</i> , 2008, 477, 25-31.	1.2	30
67	Influence of core materials on thermal properties of melamine-formaldehyde microcapsules. <i>European Polymer Journal</i> , 2008, 44, 849-860.	2.6	77
68	Chitosan-Based Sustainable Textile Technology: Process, Mechanism, Innovation, and Safety. , 0, , .		12
69	Preparation of bio-functional textiles by surface functionalization of cellulose fabrics with caffeine loaded nanoparticles.. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 460, 012044.	0.3	9
70	Sol-Gel Microencapsulation Based on Pickering Emulsion. , 0, , .		3
71	Phase Change Materials for Textile Application. , 0, , .		7