

Johanna Saunier

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

413
citations

759055

12
h-index

752573

20
g-index

26
all docs

26
docs citations

26
times ranked

518
citing authors

#	ARTICLE	IF	CITATIONS
1	Resonance enhanced AFM-IR: A new powerful way to characterize blooming on polymers used in medical devices. <i>International Journal of Pharmaceutics</i> , 2015, 484, 109-114.	2.6	53
2	A comparison of plasma and electron beam-sterilization of PU catheters. <i>Radiation Physics and Chemistry</i> , 2010, 79, 93-103.	1.4	40
3	Studying DEHP migration in plasticized PVC used for blood bags by coupling Raman confocal microscopy to UV spectroscopy. <i>Materials Science and Engineering C</i> , 2016, 61, 56-62.	3.8	36
4	Biocompatibility assessment of cyclic olefin copolymers: Impact of two additives on cytotoxicity, oxidative stress, inflammatory reactions, and hemocompatibility. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 3333-3349.	2.1	35
5	Additive blooming in polymer materials: Consequences in the pharmaceutical and medical field. <i>Polymer Degradation and Stability</i> , 2017, 143, 239-252.	2.7	32
6	Impact of the nature and concentration of plasticizers on the ability of PVC to sorb drug. <i>International Journal of Pharmaceutics</i> , 2015, 496, 664-675.	2.6	26
7	Polymorphism of Irganox 1076 [®] : Discovery of new forms and direct characterization of the polymorphs on a medical device by Raman microspectroscopy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 75, 443-450.	2.0	21
8	Aging of a medical device surface following cold plasma treatment: Influence of low molecular weight compounds on surface recovery. <i>European Polymer Journal</i> , 2011, 47, 2403-2413.	2.6	18
9	Exudation of additives to the surface of medical devices: impact on biocompatibility in the case of polyurethane used in implantable catheters. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 2954-2967.	2.1	18
10	A Multiscale Approach to Assess the Complex Surface of Polyurethane Catheters and the Effects of a New Plasma Decontamination Treatment on the Surface Properties. <i>Microscopy and Microanalysis</i> , 2010, 16, 764-778.	0.2	17
11	Effect of electron beam radio sterilization on cyclic olefin copolymers used as pharmaceutical storage materials. <i>Radiation Physics and Chemistry</i> , 2013, 84, 223-231.	1.4	17
12	Characterization of the surface physico-chemistry of plasticized PVC used in blood bag and infusion tubing. <i>Materials Science and Engineering C</i> , 2017, 75, 317-334.	3.8	17
13	Blooming of Irganox 3114 [®] antioxidant onto a medical grade elastomer. Impact of the recrystallization conditions on the antioxidant polymorphism, on the film wettability and on the antioxidant leachability. <i>International Journal of Pharmaceutics</i> , 2012, 437, 89-99.	2.6	11
14	Using COC as pharmaceutical or cosmetic storage material. II. Effect of electron beam radio-sterilization. <i>Journal of Applied Polymer Science</i> , 2008, 109, 1829-1839.	1.3	10
15	Modification of the bacterial adhesion of <i>Staphylococcus aureus</i> by antioxidant blooming on polyurethane films. <i>Materials Science and Engineering C</i> , 2015, 56, 522-531.	3.8	10
16	Swollen Polymethacrylonitrile Urethane Networks for Lithium Batteries. <i>Journal of the Electrochemical Society</i> , 2003, 150, A14.	1.3	9
17	Exploring complex transitions between polymorphs on a small scale by coupling AFM, FTIR and DSC: the case of Irganox 1076 [®] antioxidant. <i>RSC Advances</i> , 2017, 7, 3804-3818.	1.7	8
18	Impact of simulated biological aging on physicochemical and biocompatibility properties of cyclic olefin copolymers. <i>Materials Science and Engineering C</i> , 2019, 97, 377-387.	3.8	8

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19	Influence of electron beam sterilization on polymers when incubated in different media. Journal of Applied Polymer Science, 2009, 111, 3113-3120.	1.3	6
20	Modification of a cyclo-olefin surface by radio-sterilization: Is there any effect on the interaction with drug solutions?. International Journal of Pharmaceutics, 2013, 456, 212-222.	2.6	6
21	Impact of sterilization and oxidation processes on the additive blooming observed on the surface of polyurethane. European Polymer Journal, 2017, 90, 37-53.	2.6	6
22	DinCH and ESBO actual migration from PVC infusion tubings used in an oncopediatric unit. Journal of Applied Polymer Science, 2018, 135, 46649.	1.3	3
23	Drug Interactions with Poly(vinyl chloride) Plasticized with Epoxidized Soybean Oil. ACS Applied Polymer Materials, 2019, 1, 70-75.	2.0	3
24	Investigating the static or dynamic flexural and compressive stresses on flexible tubing: Comparison of clamp and peristaltic pump impact on surface damages and particles leaching during infusion acts. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 123, 104737.	1.5	2
25	Mechanical clamp stress on poly(vinyl chloride) infusion tubing: Impact on the surface degradation. Journal of Applied Polymer Science, 2020, 137, 49324.	1.3	1
26	MAITRISE DE LA PREPARATION HOSPITALIERE POUR REpondre A UN CONTEXTE DE PENURIE : EXEMPLE DU DEVELOPPEMENT D'UNE SUSPENSION ORALE DE LOPINAVIR-RITONAVIR LORS DE LA PREMIERE VAGUE DE SARS-COV-2 EN FRANCE. Annales Pharmaceutiques Francaises, 2021, , .	0.4	0