

Pascale Chevallier

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2473090/publications.pdf>

Version: 2024-02-01

46
papers

914
citations

394286

19
h-index

477173

29
g-index

46
all docs

46
docs citations

46
times ranked

1586
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient extraction of a high molecular weight ulvan from stranded <i>Ulva</i> sp. biomass: application on the active biomembrane synthesis. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 3975-3985.	2.9	5
2	Surface processing for iron-based degradable alloys: A preliminary study on the importance of acid pickling. <i>Bioactive Materials</i> , 2022, 11, 166-180.	8.6	11
3	Improving the radiopacity of Fe-Mn biodegradable metals by magnetron-sputtered W-Fe-Mn-C coatings: Application for thinner stents. <i>Bioactive Materials</i> , 2022, 12, 64-70.	8.6	3
4	Quercetin-Crosslinked Chitosan Films for Controlled Release of Antimicrobial Drugs. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 814162.	2.0	8
5	Aerosol-assisted open-air plasma deposition of acrylate-based composite coatings: Molecule release control through precursor selection. <i>Plasma Processes and Polymers</i> , 2022, 19, .	1.6	2
6	Investigation of 3-aminopropyltrimethoxysilane for direct deposition of thin films containing primary amine groups by open-air plasma jets. <i>Plasma Processes and Polymers</i> , 2022, 19, .	1.6	4
7	Inside Front Cover: Plasma Process. <i>Polym. 7/2022</i> . <i>Plasma Processes and Polymers</i> , 2022, 19, .	1.6	0

8

#	ARTICLE	IF	CITATIONS
19	A New Preventive Strategy for Better Remediation of Marine Biofouling by an Eco-friendly Physical and Morphological Modification Process. <i>Silicon</i> , 2020, 12, 2901-2909.	1.8	0
20	Oxidized bacterial cellulose membrane as support for enzyme immobilization: properties and morphological features. <i>Cellulose</i> , 2020, 27, 3055-3083.	2.4	45
21	Luminal Plasma Treatment for Small Diameter Polyvinyl Alcohol Tubular Scaffolds. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 117.	2.0	12
22	Heparin-Modified Collagen Gels for Controlled Release of Pleiotrophin: Potential for Vascular Applications. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 74.	2.0	20
23	Comparison of the linking arm effect on the biological performance of a CD31 agonist directly grafted on L605 CoCr alloy by a plasma-based multistep strategy. <i>Biointerphases</i> , 2019, 14, 051009.	0.6	3
24	Understanding the effect of the reinforcement addition on corrosion behavior of Fe/Mg2Si composites for biodegradable implant applications. <i>Materials Chemistry and Physics</i> , 2019, 223, 771-778.	2.0	20
25	A new composite hydrogel combining the biological properties of collagen with the mechanical properties of a supramolecular scaffold for bone tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, e1489-e1500.	1.3	37
26	Oxidative Plasma Treatment of Fluorocarbon Surfaces for Blood-Contacting Applications. <i>Materials Science Forum</i> , 2018, 941, 2528-2533.	0.3	3
27	Nano-Thick Amorphous Oxide Layer Produced by Plasma on Type 316L Stainless Steel for Improved Corrosion Resistance Under Plastic Deformation. <i>Corrosion</i> , 2018, 74, 1011-1022.	0.5	3
28	Low-pressure plasma treatment for direct amination of L605 CoCr alloy for the further covalent grafting of molecules. <i>Plasma Processes and Polymers</i> , 2018, 15, 1700214.	1.6	5
29	Antibacterial Coatings Based on Chitosan for Pharmaceutical and Biomedical Applications. <i>Current Pharmaceutical Design</i> , 2018, 24, 866-885.	0.9	42
30	Biomimetic coating of cross-linked gelatin to improve mechanical and biological properties of electrospun PET: A promising approach for small caliber vascular graft applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 2405-2415.	2.1	24
31	Sulfonated chitosan and dopamine based coatings for metallic implants in contact with blood. <i>Materials Science and Engineering C</i> , 2017, 72, 682-691.	3.8	42
32	The use of multiple pseudo-physiological solutions to simulate the degradation behavior of pure iron as a metallic resorbable implant: a surface-characterization study. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19637-19646.	1.3	32
33	Characterization of Amorphous Oxide Nano-Thick Layers on 316L Stainless Steel by Electron Channeling Contrast Imaging and Electron Backscatter Diffraction. <i>Microscopy and Microanalysis</i> , 2016, 22, 997-1006.	0.2	10
34	Enhancing the functionality of cotton fabric by physical and chemical pre-treatments: A comparative study. <i>Carbohydrate Polymers</i> , 2016, 147, 28-36.	5.1	34
35	Extremely Small Iron Oxide Nanoparticles Stabilized with Catechol-Functionalized Multidentate Block Copolymer for Enhanced MRI. <i>ChemistrySelect</i> , 2016, 1, 4087-4091.	0.7	9
36	In vitro degradation behavior of Fe-20Mn-1.2C alloy in three different pseudo-physiological solutions. <i>Materials Science and Engineering C</i> , 2016, 61, 564-573.	3.8	50

#	ARTICLE	IF	CITATIONS
37	Effect of Poly-L-Lysine coating on titanium osseointegration: from characterization to in vivo studies. <i>Journal of Oral Implantology</i> , 2015, 41, 626-631.	0.4	28
38	Arginine-glycine-glutamine and serine-isoleucine-lysine-valine-alanine-valine modified poly(L-lactide) films: Bioactive molecules used for surface grafting to guide cellular contractile phenotype. <i>Biointerphases</i> , 2014, 9, 029002.	0.6	3
39	Covalent Grafting of Chitosan on Plasma-Treated Polytetrafluoroethylene Surfaces for Biomedical Applications. <i>Journal of Biomaterials and Tissue Engineering</i> , 2014, 4, 915-924.	0.0	16
40	Polydopamine as an intermediate layer for silver and hydroxyapatite immobilisation on metallic biomaterials surface. <i>Materials Science and Engineering C</i> , 2013, 33, 4715-4724.	3.8	73
41	Blood protein adsorption on sulfonated chitosan and $\hat{\text{I}}^{\text{e}}$ -carrageenan films. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 719-725.	2.5	49
42	Plasma functionalization of poly(vinyl alcohol) hydrogel for cell adhesion enhancement. <i>Biomatter</i> , 2013, 3, .	2.6	45
43	Toward High-Performance Coatings for Biomedical Devices: Study on Plasma-Deposited Fluorocarbon Films and Ageing in PBS. <i>Materials</i> , 2010, 3, 1515-1532.	1.3	22
44	On the Growth of Fluorocarbon Thin Films Deposited on Plasma-Etched 316L Stainless Steel. <i>Plasma Processes and Polymers</i> , 2010, 7, 309-317.	1.6	21
45	In vitro Biological Performances of Phosphorylcholine-Grafted ePTFE Prostheses through RFGD Plasma Techniques. <i>Macromolecular Bioscience</i> , 2005, 5, 829-839.	2.1	50
46	Engineering Surfaces for Bioconjugation: Developing Strategies and Quantifying the Extent of the Reactions. <i>Bioconjugate Chemistry</i> , 2004, 15, 1146-1156.	1.8	51