

Tomasz Ciach

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6571541/publications.pdf>

Version: 2024-02-01

87
papers

1,909
citations

236925

25
h-index

302126

39
g-index

90
all docs

90
docs citations

90
times ranked

2904
citing authors

#	ARTICLE	IF	CITATIONS
1	Polydopamine and gelatin coating for rapid endothelialization of vascular scaffolds. <i>Materials Science and Engineering C</i> , 2022, 134, 112544.	7.3	20
2	Influence of PEG Subunit on the Biological Activity of Ionenes: Synthesis of Novel Polycations, Antimicrobial and Toxicity Studies. <i>Macromolecular Bioscience</i> , 2022, , 2200094.	4.1	4
3	Chitosan-Enriched Solution Blow Spun Poly(Ethylene Oxide) Nanofibers with Poly(Dimethylsiloxane) Hydrophobic Outer Layer for Skin Healing and Regeneration. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5135.	4.1	10
4	Nanofibrous materials affect the reaction of cytotoxicity assays. <i>Scientific Reports</i> , 2022, 12, .	3.3	23
5	PSMA targeted conjugates based on dextran. <i>Applied Radiation and Isotopes</i> , 2021, 167, 109439.	1.5	4
6	Lab-on-a-chip system integrated with nanofiber mats used as a potential tool to study cardiovascular diseases (CVDs). <i>Sensors and Actuators B: Chemical</i> , 2021, 330, 129291.	7.8	20
7	Chitosan-Human Bone Composite Granulates for Guided Bone Regeneration. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2324.	4.1	13
8	Solution Blow Spinning of Polycaprolactoneâ€™ Rheological Determination of Spinnability and the Effect of Processing Conditions on Fiber Diameter and Alignment. <i>Materials</i> , 2021, 14, 1463.	2.9	19
9	In vitro haemocompatibility assessment of acrylic acid deposited on solid, polyurethane substrate. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 199, 111562.	5.0	2
10	Study of Stem Cells Influence on Cardiac Cells Cultured with a Cyanide-P-Trifluoromethoxyphenylhydrazone in Organ-on-a-Chip System. <i>Biosensors</i> , 2021, 11, 131.	4.7	6
11	Fluorosurfactants for medical nanoemulsions, their surface-active and biological properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 200, 111603.	5.0	1
12	Cylindrical Polyurethane Scaffold Fabricated Using the Phase Inversion Method: Influence of Process Parameters on Scaffoldsâ€™ Morphology and Mechanical Properties. <i>Materials</i> , 2021, 14, 2977.	2.9	4
13	Scaled-Up 3D-Printed Reactor for Precipitation of Lecithin-Modified Hydroxyapatite Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 12944-12955.	3.7	3
14	Effect of Extreme Ultraviolet (EUV) Radiation and EUV Induced, N2 and O2 Based Plasmas on a PEEK Surfaceâ€™s Physico-Chemical Properties and MG63 Cell Adhesion. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8455.	4.1	14
15	Influence of lipid bilayer composition on the activity of antimicrobial quaternary ammonium ionenes, the interplay of intrinsic lipid curvature and polymer hydrophobicity, the role of cardiolipin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 207, 112016.	5.0	12
16	Physicochemical and Biological Properties of Graphene-Oxide-Coated Metallic Materials. <i>Materials</i> , 2021, 14, 5752.	2.9	3
17	Superhydrophilic Polyurethane/Polydopamine Nanofibrous Materials Enhancing Cell Adhesion for Application in Tissue Engineering. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6798.	4.1	22
18	<p>Virucidal Action Against Avian Influenza H5N1 Virus and Immunomodulatory Effects of Nanoformulations Consisting of Mesoporous Silica Nanoparticles Loaded with Natural Prodrugs</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 5181-5202.	6.7	26

#	ARTICLE	IF	CITATIONS
19	Surface Modification of PLLA, PTFE and PVDF with Extreme Ultraviolet (EUV) to Enhance Cell Adhesion. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9679.	4.1	15
20	Polyvinylpyrrolidone (PVP) hydrogel coating for cylindrical polyurethane scaffolds. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 192, 111066.	5.0	29
21	Endothelial cell growth on polyurethane modified with acrylic acid and REDV peptide. <i>Surface Innovations</i> , 2020, 8, 89-104.	2.3	10
22	Hydrophilic Quaternary Ammonium Ionenés”Is There an Influence of Backbone Flexibility and Topology on Antibacterial Properties?. <i>Macromolecular Bioscience</i> , 2020, 20, e2000063.	4.1	17
23	Patient specific implants for jawbone reconstruction after tumor resection. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 193, 111056.	5.0	8
24	Promising electrodeposited biocompatible coatings for steel obtained from polymerized microemulsions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 591, 124555.	4.7	5
25	Effective Targeting of Colon Cancer Cells with Piperine Natural Anticancer Prodrug Using Functionalized Clusters of Hydroxyapatite Nanoparticles. <i>Pharmaceutics</i> , 2020, 12, 70.	4.5	29
26	Fenton-type reaction grafting of polyvinylpyrrolidone onto polypropylene membrane for improving hemo- and biocompatibility. <i>Materials Science and Engineering C</i> , 2020, 113, 110960.	7.3	13
27	Impact of morphology-influencing factors in lecithin-based hydroxyapatite precipitation. <i>Ceramics International</i> , 2019, 45, 21220-21227.	4.8	13
28	A simple time-resolved fluorescence assay for quantitative determination of DOTA chelator. <i>Analytical Biochemistry</i> , 2019, 584, 113384.	2.4	1
29	Production of 3D printed polylactide scaffolds with surface grafted hydrogel coatings. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 179, 136-142.	5.0	20
30	Amphiphilic Polymethyloxazoline”Polyethyleneimine Copolymers: Interaction with Lipid Bilayer and Antibacterial Properties. <i>Macromolecular Bioscience</i> , 2019, 19, e1900254.	4.1	15
31	Three-dimensional nanofibrous polystyrene scaffolds modify macrophage phenotypes and activate macrophage angiogenic potential. <i>Cell Biology International</i> , 2019, 43, 265-278.	3.0	3
32	Stability of nanobubbles generated in water using porous membrane system. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019, 136, 62-71.	3.6	71
33	Production and properties of top-down and bottom-up graphene oxide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 561, 315-324.	4.7	23
34	Investigation of controlled solvent exchange precipitation of fluorescent organic nanocrystals. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 545, 86-92.	4.7	1
35	Electropolymerized hydrophilic coating on stainless steel for biomedical applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 167, 499-508.	5.0	16
36	Folic acid-conjugated mesoporous silica particles as nanocarriers of natural prodrugs for cancer targeting and antioxidant action. <i>Oncotarget</i> , 2018, 9, 26466-26490.	1.8	57

#	ARTICLE	IF	CITATIONS
37	Precipitation of hydroxyapatite nanoparticles in 3D-printed reactors. <i>Chemical Engineering and Processing: Process Intensification</i> , 2018, 133, 221-233.	3.6	19
38	Lecithin suspensions for electrophoretic deposition on stainless steel coatings. <i>Materials Science and Engineering C</i> , 2018, 93, 134-144.	7.3	10
39	Poly(L-lactic acid) and polyurethane nanofibers fabricated by solution blow spinning as potential substrates for cardiac cell culture. <i>Materials Science and Engineering C</i> , 2017, 75, 305-316.	7.3	57
40	Blow-assisted multi-jet electrospinning of poly-L-lactic acid nanofibers. <i>Journal of Polymer Research</i> , 2017, 24, 1.	2.4	16
41	Surface modification and endothelialization of polyurethane for vascular tissue engineering applications: a review. <i>Biomaterials Science</i> , 2017, 5, 22-37.	5.4	130
42	SPR System for On-Site Detection of Biological Warfare. <i>Current Analytical Chemistry</i> , 2017, 13, 144-149.	1.2	9
43	The factor VIII protein and its function.. <i>Acta Biochimica Polonica</i> , 2016, 63, 11-16.	0.5	48
44	Polyurethane modification with acrylic acid by Ce(IV)-initiated graft polymerization. <i>Open Chemistry</i> , 2016, 14, 206-214.	1.9	10
45	Endothelialization of polyurethanes: Surface silanization and immobilization of REDV peptide. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 144, 335-343.	5.0	28
46	Dextran Nanoparticle Synthesis and Properties. <i>PLoS ONE</i> , 2016, 11, e0146237.	2.5	73
47	Detection of fluorescent organic nanoparticles by confocal laser endomicroscopy in a rat model of Barrett’s esophageal adenocarcinoma. <i>International Journal of Nanomedicine</i> , 2015, 10, 6811.	6.7	13
48	Cell membrane-mimicking coating for blood-contacting polyurethanes. <i>Journal of Biomaterials Applications</i> , 2015, 29, 801-812.	2.4	12
49	Athrombogenic hydrogel coatings for medical devices – Examination of biological properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 130, 192-198.	5.0	20
50	Chitosan and composite microsphere-based scaffold for bone tissue engineering: evaluation of tricalcium phosphate content influence on physical and biological properties. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 143.	3.6	30
51	Extreme ultraviolet (EUV) surface modification of polytetrafluoroethylene (PTFE) for control of biocompatibility. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 364, 98-107.	1.4	32
52	Cytotoxicity Evaluation and Crystallochemical Analysis of a Novel and Commercially Available Bone Substitute Material. <i>Advances in Clinical and Experimental Medicine</i> , 2015, 24, 511-516.	1.4	6
53	Bone regeneration potential of the new chitosan-based alloplastic biomaterial. <i>Journal of Biomaterials Applications</i> , 2014, 28, 1060-1068.	2.4	30
54	Comparative Studies of Electrospinning and Solution Blow Spinning Processes for the Production of Nanofibrous Poly(L-Lactic Acid) Materials for Biomedical Engineering. <i>Polish Journal of Chemical Technology</i> , 2014, 16, 43-50.	0.5	44

#	ARTICLE	IF	CITATIONS
55	Surface modification of polymers for biocompatibility via exposure to extreme ultraviolet radiation. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 3298-3310.	4.0	71
56	Liquid perfluorochemical-supported hybrid cell culture system for proliferation of chondrocytes on fibrous polylactide scaffolds. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 1707-1715.	3.4	24
57	Dextran/Albumin hydrogel sealant for Dacron® vascular prosthesis. <i>Journal of Biomaterials Applications</i> , 2014, 28, 1386-1396.	2.4	18
58	Polyvinylpyrrolidone-Based Coatings for Polyurethanes – The Effect of Reagent Concentration on Their Chosen Physical Properties. <i>Chemical and Process Engineering - Inzynieria Chemiczna I Procesowa</i> , 2012, 33, 563-571.	0.7	6
59	Encapsulation of Chondrocytes in Hydrogel Systems Effect of Chitosan Viscosity and Microcapsule Shape. <i>Chemical and Process Engineering - Inzynieria Chemiczna I Procesowa</i> , 2012, 33, 529-538.	0.7	1
60	Fabrication of in-situ foamed chitosan/β-TCP scaffolds for bone tissue engineering application. <i>Materials Letters</i> , 2012, 85, 124-127.	2.6	61
61	Fabrication of biocompatible hydrogel coatings for implantable medical devices using Fenton-type reaction. <i>Materials Science and Engineering C</i> , 2012, 32, 1601-1609.	7.3	35
62	Mathematical modelling of buccal iontophoretic drug delivery system. <i>Chemical Engineering Science</i> , 2012, 80, 182-187.	3.8	7
63	Formation and preclinical evaluation of a new alloplastic injectable bone substitute material. <i>Acta of Bioengineering and Biomechanics</i> , 2012, 14, 39-44.	0.4	5
64	Advanced Trans-Epithelial Drug Delivery Devices. <i>Current Pharmaceutical Biotechnology</i> , 2011, 12, 1752-1759.	1.6	2
65	Buccal iontophoresis: an opportunity for drug delivery and metabolite monitoring. <i>Drug Discovery Today</i> , 2011, 16, 361-366.	6.4	18
66	Simple method of fabrication of hydrophobic coatings for polyurethanes. <i>Open Chemistry</i> , 2011, 9, 1039-1045.	1.9	13
67	Fabrication and characterization of chitosan microspheres agglomerated scaffolds for bone tissue engineering. <i>Materials Letters</i> , 2010, 64, 1059-1062.	2.6	32
68	Influence of the coating process parameters on the quality of PUR/PVP hydrogel coatings for PVC medical devices. <i>Polish Journal of Chemical Technology</i> , 2010, 12, 38-45.	0.5	8
69	In Vitro Multicompartmental Bladder Model for Assessing Blockage of Urinary Catheters: Effect of Hydrogel Coating on Dynamics of <i>Proteus mirabilis</i> Growth. <i>Urology</i> , 2010, 76, 515.e15-515.e20.	1.0	32
70	Medicine Nanoparticle Production by EHDA. , 2010, , 39-57.		1
71	Bioactive Coatings for Minimally Invasive Medical Devices: Surface Modification in the Service of Medicine. <i>Recent Patents on Biomedical Engineering</i> , 2009, 2, 1-14.	0.5	11
72	Surface immobilization of poly(ethyleneimine) and plasmid DNA on electrospun poly(L-lactic acid) fibrous mats using a layer-by-layer approach for gene delivery. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 88A, 281-287.	4.0	39

#	ARTICLE	IF	CITATIONS
73	Electroosmotic flow as a result of buccal iontophoresis – Buccal mucosa properties. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 72, 595-599.	4.3	22
74	Determination of urethral catheter surface lubricity. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 2301-2306.	3.6	44
75	Drug delivery from the oral cavity: focus on a novel mechatronic delivery device. <i>Drug Discovery Today</i> , 2008, 13, 247-253.	6.4	80
76	Polyvinylpyrrolidone-polyurethane interpolymer hydrogel coating as a local drug delivery system. <i>Acta Poloniae Pharmaceutica</i> , 2008, 65, 763-6.	0.1	6
77	IntelliDrug Implant for Medicine Delivery in Alzheimer's Disease Treatment. <i>Macromolecular Symposia</i> , 2007, 253, 134-138.	0.7	15
78	Encapsulation of proteins by Electro Hydro Dynamic Atomization. <i>Macromolecular Symposia</i> , 2007, 253, 98-102.	0.7	2
79	Diffusion of naltrexone across reconstituted human oral epithelium and histomorphological features. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007, 65, 238-246.	4.3	42
80	Microencapsulation of drugs by electro-hydro-dynamic atomization. <i>International Journal of Pharmaceutics</i> , 2006, 324, 51-55.	5.2	67
81	Optimized response characteristics of an optical particle spectrometer for size measurement of aerosols. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2000, 64, 75-86.	2.3	12
82	Application of a Fibrous Electrostatic Filter for Treatment of Diesel Exhaust. <i>International Journal of Occupational Safety and Ergonomics</i> , 2000, 6, 321-333.	1.9	0
83	Design optimisation of depth cartridge filters. <i>Filtration and Separation</i> , 2000, 37, 34-36.	0.0	0
84	Electrorheological properties of polyphenylene suspensions. <i>Synthetic Metals</i> , 1997, 88, 139-145.	3.9	26
85	Highly efficient filtering materials. <i>Journal of Aerosol Science</i> , 1996, 27, S613-S614.	3.8	12
86	Removal of soot particles from Diesel exhaust. <i>Journal of Aerosol Science</i> , 1996, 27, S705-S706.	3.8	8
87	Measurement and modeling of multiple scattering in droplet aerosols. <i>Journal of Aerosol Science</i> , 1991, 22, S403-S406.	3.8	1