

Nicolas E Muzzio

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/504847/publications.pdf>

Version: 2024-02-01

25
papers

350
citations

840585

11
h-index

794469

19
g-index

26
all docs

26
docs citations

26
times ranked

436
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibacterial Layer-by-Layer Coatings for Medical Implants. <i>Pharmaceutics</i> , 2021, 13, 16.	2.0	50
2	Enhanced antiadhesive properties of chitosan/hyaluronic acid polyelectrolyte multilayers driven by thermal annealing: Low adherence for mammalian cells and selective decrease in adhesion for Gram-positive bacteria. <i>Materials Science and Engineering C</i> , 2017, 80, 677-687.	3.8	38
3	Impact of thermal annealing on wettability and antifouling characteristics of alginate poly-L-lysine polyelectrolyte multilayer films. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 328-337.	2.5	34
4	Multifunctional Scaffolds and Synergistic Strategies in Tissue Engineering and Regenerative Medicine. <i>Pharmaceutics</i> , 2021, 13, 792.	2.0	29
5	Polyelectrolytes Multilayers to Modulate Cell Adhesion: A Study of the Influence of Film Composition and Polyelectrolyte Interdigitation on the Adhesion of the A549 Cell Line. <i>Macromolecular Bioscience</i> , 2016, 16, 482-495.	2.1	28
6	Thermal Annealing of Polyelectrolyte Multilayers: An Effective Approach for the Enhancement of Cell Adhesion. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600126.	1.9	23
7	Adsorption and Exchangeability of Fibronectin and Serum Albumin Protein Corona on Annealed Polyelectrolyte Multilayers and Their Consequences on Cell Adhesion. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900008.	1.9	23
8	Self-assembled phosphate-polyamine networks as biocompatible supramolecular platforms to modulate cell adhesion. <i>Biomaterials Science</i> , 2018, 6, 2230-2247.	2.6	19
9	Antibacterial Layer-by-Layer Films of Poly(acrylic acid)-Gentamicin Complexes with a Combined Burst and Sustainable Release of Gentamicin. <i>Advanced Materials Interfaces</i> , 2019, 6, 1901373.	1.9	18
10	Tailored polyelectrolyte thin film multilayers to modulate cell adhesion. <i>Biointerphases</i> , 2017, 12, 04E403.	0.6	14
11	Phase transition characterization of poly(oligo(ethylene glycol)methyl ether methacrylate) brushes using the quartz crystal microbalance with dissipation. <i>Soft Matter</i> , 2021, 17, 2530-2538.	1.2	12
12	Strontium Titanate (SrTiO ₃) Mesoporous Coatings for Enhanced Strontium Delivery and Osseointegration on Bone Implants. <i>Advanced Engineering Materials</i> , 2019, 21, 1801210.	1.6	11
13	Influence of individual cell motility on the 2D front roughness dynamics of tumour cell colonies. <i>Journal of Biological Physics</i> , 2014, 40, 285-308.	0.7	8
14	Antibacterial Mesoporous Titania Films with Embedded Gentamicin and Surface Modified with Bone Morphogenetic Protein 2 to Promote Osseointegration in Bone Implants. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801648.	1.9	8
15	Wireless Force-Inducing Neuronal Stimulation Mediated by High Magnetic Moment Microdiscs. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101826.	3.9	8
16	Mesoporous titania coatings with carboxylated pores for complexation and slow delivery of strontium for osteogenic induction. <i>Applied Surface Science</i> , 2020, 510, 145172.	3.1	7
17	Stabilization of Poly(β -Amino Ester) Nanoparticles for the Efficient Intracellular Delivery of PiggyBac Transposon. <i>Bioengineering</i> , 2021, 8, 16.	1.6	6
18	Spatio-temporal morphology changes in and quenching effects on the 2D spreading dynamics of cell colonies in both plain and methylcellulose-containing culture media. <i>Journal of Biological Physics</i> , 2016, 42, 477-502.	0.7	5

#	ARTICLE	IF	CITATIONS
19	Pentagalloyl Glucose-Laden Poly(lactide-co-glycolide) Nanoparticles for the Biomechanical Extracellular Matrix Stabilization of an <i>In Vitro</i> Abdominal Aortic Aneurysm Model. ACS Applied Materials & Interfaces, 2021, 13, 25771-25782.	4.0	5
20	Tilted mammalian cell colony propagation dynamics on patterned substrates. Chaos, Solitons and Fractals, 2021, 146, 110841.	2.5	3
21	Cell Adhesion: Thermal Annealing of Polyelectrolyte Multilayers: An Effective Approach for the Enhancement of Cell Adhesion (Adv. Mater. Interfaces 1/2017). Advanced Materials Interfaces, 2017, 4, .	1.9	1
22	Osseointegration: Antibacterial Mesoporous Titania Films with Embedded Gentamicin and Surface Modified with Bone Morphogenetic Protein 2 to Promote Osseointegration in Bone Implants (Adv. Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.9	0
23	Cell-Interface Interactions: Adsorption and Exchangeability of Fibronectin and Serum Albumin Protein Corona on Annealed Polyelectrolyte Multilayers and Their Consequences on Cell Adhesion (Adv. Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.9	0
24	Antibacterial Coatings: Antibacterial Layer-by-Layer Films of Poly(acrylic acid)-Gentamicin Complexes with a Combined Burst and Sustainable Release of Gentamicin (Adv. Mater. Interfaces 22/2019). Advanced Materials Interfaces, 2019, 6, 1970140.	1.9	0
25	Wireless Force-Inducing Neuronal Stimulation Mediated by High Magnetic Moment Microdiscs (Adv.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.9	0