Sorina Dinescu

List of Publications by Year
in descending order

66 papers	1,571 citations	331670 21 h-index	345221 36 g-index
66 all docs	66 docs citations	66 times ranked	2546 citing authors

#	Article	IF	Citations
1	Synthesis, characterization, and in vitro studies of graphene oxide/chitosanâ€"polyvinyl alcohol films. Carbohydrate Polymers, 2014, 102, 813-820.	10.2	126
2	Chitosan-Graphene Oxide 3D scaffolds as Promising Tools for Bone Regeneration in Critical-Size Mouse Calvarial Defects. Scientific Reports, 2017, 7, 16641.	3.3	96
3	In vitro cytocompatibility evaluation of chitosan/graphene oxide 3D scaffold composites designed for bone tissue engineering. Bio-Medical Materials and Engineering, 2014, 24, 2249-2256.	0.6	84
4	Synthesis, characterization and in vitro studies of polysulfone/graphene oxide composite membranes. Composites Part B: Engineering, 2015, 72, 108-115.	12.0	78
5	Epitranscriptomic Signatures in lncRNAs and Their Possible Roles in Cancer. Genes, 2019, 10, 52.	2.4	74
6	Nanocomposite foams based on flexible biobased thermoplastic polyurethane and ZnO nanoparticles as potential wound dressing materials. Materials Science and Engineering C, 2019, 104, 109893.	7.3	67
7	Synergistic effect of carbon nanotubes and graphene for high performance cellulose acetate membranes in biomedical applications. Carbohydrate Polymers, 2018, 183, 50-61.	10.2	62
8	Graphene Oxide Enhances Chitosan-Based 3D Scaffold Properties for Bone Tissue Engineering. International Journal of Molecular Sciences, 2019, 20, 5077.	4.1	57
9	Biocompatibility Assessment of Novel Collagen-Sericin Scaffolds Improved with Hyaluronic Acid and Chondroitin Sulfate for Cartilage Regeneration. BioMed Research International, 2013, 2013, 1-11.	1.9	50
10	Gelatinâ€"poly(vinyl alcohol) porous biocomposites reinforced with graphene oxide as biomaterials. Journal of Materials Chemistry B, 2016, 4, 282-291.	5.8	39
11	Cyclodextrin Complexation Improves the Solubility and Caco-2 Permeability of Chrysin. Materials, 2020, 13, 3618.	2.9	39
12	Cellular Interplay as a Consequence of Inflammatory Signals Leading to Liver Fibrosis Development. Cells, 2020, 9, 461.	4.1	38
13	Sericin Enhances the Bioperformance of Collagen-Based Matrices Preseeded with Human-Adipose Derived Stem Cells (hADSCs). International Journal of Molecular Sciences, 2013, 14, 1870-1889.	4.1	37
14	Protective effects of silymarin against bisphenol A-induced hepatotoxicity in mouse liver. Experimental and Therapeutic Medicine, 2017, 13, 821-828.	1.8	33
15	In vitro bio-functional performances of the novel superelastic beta-type Tiâ€"23Nbâ€"0.7Taâ€"2Zrâ€"0.5N alloy. Materials Science and Engineering C, 2014, 35, 411-419.	7.3	32
16	Versatile Biomaterial Platform Enriched with Graphene Oxide and Carbon Nanotubes for Multiple Tissue Engineering Applications. International Journal of Molecular Sciences, 2019, 20, 3868.	4.1	31
17	Nanocellulose-enriched hydrocolloid-based hydrogels designed using a Ca2+ free strategy based on citric acid. Materials and Design, 2021, 197, 109200.	7.0	30
18	Modulation of Adipogenic Conditions for Prospective Use of hADSCs in Adipose Tissue Engineering. International Journal of Molecular Sciences, 2012, 13, 15881-15900.	4.1	29

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19	A 3D Porous Gelatin-Alginate-Based-IPN Acts as an Efficient Promoter of Chondrogenesis from Human Adipose-Derived Stem Cells. Stem Cells International, 2015, 2015, 1-17.	2.5	27
20	Interplay between Cellular and Molecular Mechanisms Underlying Inflammatory Bowel Diseases Developmentâ€"A Focus on Ulcerative Colitis. Cells, 2020, 9, 1647.	4.1	27
21	Multi-Omics Data Integration in Extracellular Vesicle Biologyâ€"Utopia or Future Reality?. International Journal of Molecular Sciences, 2020, 21, 8550.	4.1	26
22	3D Printable Composite Biomaterials Based on GelMA and Hydroxyapatite Powders Doped with Cerium Ions for Bone Tissue Regeneration. International Journal of Molecular Sciences, 2022, 23, 1841.	4.1	24
23	Preparation and in vitro, bulk, and surface investigation of chitosan/graphene oxide composite films. Polymer Composites, 2013, 34, 2116-2124.	4.6	22
24	Functional Polyimide-Based Electrospun Fibers for Biomedical Application. Materials, 2019, 12, 3201.	2.9	22
25	Deciphering the Molecular Landscape of Cutaneous Squamous Cell Carcinoma for Better Diagnosis and Treatment. Journal of Clinical Medicine, 2020, 9, 2228.	2.4	22
26	Fabrication and Biocompatibility Evaluation of Nanodiamonds-Gelatin Electrospun Materials Designed for Prospective Tissue Regeneration Applications. Materials, 2019, 12, 2933.	2.9	21
27	Pullulan/Poly(Vinyl Alcohol) Composite Hydrogels for Adipose Tissue Engineering. Materials, 2019, 12, 3220.	2.9	21
28	Porous poly(l-lactic acid) nanocomposite scaffolds with functionalized TiO2 nanoparticles: properties, cytocompatibility and drug release capability. Journal of Materials Science, 2018, 53, 11151-11166.	3.7	20
29	Hema-Functionalized Graphene Oxide: a Versatile Nanofiller for Poly(Propylene Fumarate)-Based Hybrid Materials. Scientific Reports, 2019, 9, 18685.	3.3	20
30	Comprehensive Appraisal of Grapheneâ€"Oxide Ratio in Porous Biopolymer Hybrids Targeting Bone-Tissue Regeneration. Nanomaterials, 2020, 10, 1444.	4.1	18
31	Inflammation and Inflammasomes: Pros and Cons in Tumorigenesis. Journal of Immunology Research, 2020, 2020, 1-15.	2.2	16
32	Regenerative Potential of Mesenchymal Stem Cellsâ€™ (MSCs) Secretome for Liver Fibrosis Therapies. International Journal of Molecular Sciences, 2021, 22, 13292.	4.1	16
33	The Non-Coding Landscape of Cutaneous Malignant Melanoma: A Possible Route to Efficient Targeted Therapy. Cancers, 2020, 12, 3378.	3.7	15
34	Fabrication and properties of alginate-hydroxyapatite biocomposites as efficient biomaterials for bone regeneration. European Polymer Journal, 2021, 151, 110444.	5.4	15
35	Cellulose Nanofiber-Based Hydrogels Embedding 5-FU Promote Pyroptosis Activation in Breast Cancer Cells and Support Human Adipose-Derived Stem Cell Proliferation, Opening New Perspectives for Breast Tissue Engineering. Pharmaceutics, 2021, 13, 1189.	4.5	15
36	Ceramics based on calcium phosphates substituted with magnesium ions for bone regeneration. International Journal of Applied Ceramic Technology, 2020, 17, 342-353.	2.1	13

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37	Adipose tissue engineering and adipogenesis â€“ a review. Reviews in Biological and Biomedical Sciences, 0, , 17-26.	0.1	13
38	Evaluation of Hepatotoxicity with Treatment Doses of Flucytosine and Amphotericin B for Invasive Fungal Infections. BioMed Research International, 2016, 2016, 1-9.	1.9	12
39	Efficiency of Multiparticulate Delivery Systems Loaded with Flufenamic Acid Designed for Burn Wound Healing Applications. Journal of Immunology Research, 2019, 2019, 1-13.	2.2	12
40	Exosomes as Part of the Human Adipose-Derived Stem Cells Secretome- Opening New Perspectives for Cell-Free Regenerative Applications. Advances in Experimental Medicine and Biology, 2020, 1312, 139-163.	1.6	12
41	5-Aminosalicylic Acid Loaded Chitosan-Carrageenan Hydrogel Beads with Potential Application for the Treatment of Inflammatory Bowel Disease. Polymers, 2021, 13, 2463.	4.5	12
42	Effect of carboxylic acid functionalized graphene on physical-chemical and biological performances of polysulfone porous films. Polymer, 2016, 92, 1-12.	3.8	11
43	3D Bioprinting of Biosynthetic Nanocellulose-Filled GelMA Inks Highly Reliable for Soft Tissue-Oriented Constructs. Materials, 2021, 14, 4891.	2.9	11
44	Comparative study of leptin and leptin receptor gene expression in different swine breeds. Genetics and Molecular Research, 2014, 13, 7140-7148.	0.2	11
45	Proteomic Technology â€œLensâ€•for Epithelial-Mesenchymal Transition Process Identification in Oncology. Analytical Cellular Pathology, 2019, 2019, 1-17.	1.4	10
46	About electrochemical stability and biocompatibility of two types of CoCr commercial dental alloys. Materials and Corrosion - Werkstoffe Und Korrosion, 2016, 67, 1096-1104.	1.5	9
47	Connecting the Missing Dots: ncRNAs as Critical Regulators of Therapeutic Susceptibility in Breast Cancer. Cancers, 2020, 12, 2698.	3.7	9
48	Grapheneâ€“Oxide Porous Biopolymer Hybrids Enhance In Vitro Osteogenic Differentiation and Promote Ectopic Osteogenesis In Vivo. International Journal of Molecular Sciences, 2022, 23, 491.	4.1	9
49	Silk ProteinsEnriched Nanocomposite Hydrogels Based on Modified MMT Clay and Poly(2-hydroxyethyl) Tj ETQq1 1 0.784314 rgBT /Ove Tissue Engineering. Nanomaterials, 2022, 12, 503.	4.1	8
50	Collagen-Based Hydrogels and Their Applications for Tissue Engineering and Regenerative Medicine. Polymers and Polymeric Composites, 2019, , 1643-1664.	0.6	7
51	<i>In Vitro</i> Effects of Cetylated Fatty Acids Mixture from Celadrin on Chondrogenesis and Inflammation with Impact on Osteoarthritis. Cartilage, 2020, 11, 88-97.	2.7	7
52	Electrospinning Fabrication and Cytocompatibility Investigation of Nanodiamond Particles-Gelatin Fibrous Tubular Scaffolds for Nerve Regeneration. Polymers, 2021, 13, 407.	4.5	7
53	A novel experimental approach to evaluate guided bone regeneration (GBR) in the rat femur using a 3D-printed CAD/CAM zirconia space-maintaining barrier. Journal of Advanced Research, 2021, 28, 221-229.	9.5	6
54	Complexation with Random Methyl-Î²-Cyclodextrin and (2-Hidroxypropyl)-Î²-Cyclodextrin Enhances In Vivo Anti-Fibrotic and Anti-Inflammatory Effects of Chrysin via the Inhibition of NF-ÎºB and TGF-Î²1/Smad Signaling Pathways and Modulation of Hepatic Pro/Anti-Fibrotic miRNA. International Journal of Molecular Sciences, 2021, 22, 1869.	4.1	6

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55	Collagen-Based Hydrogels and Their Applications for Tissue Engineering and Regenerative Medicine. Polymers and Polymeric Composites, 2018, , 1-21.	0.6	5
56	Complexation with Random Methyl-Î²-Cyclodextrin and (2-Hydroxypropyl)-Î²-Cyclodextrin Promotes Chrysin Effect and Potential for Liver Fibrosis Therapy. Materials, 2020, 13, 5003.	2.9	5
57	Effects of starvation and refeeding on growth performance and stress defense mechanisms of stellate sturgeon Acipenser stellatus juveniles from aquaculture. Acta Biochimica Polonica, 2019, 66, 47-59.	0.5	5
58	Perilipin Expression Reveals Adipogenic Potential of hADSCs inside Superporous Polymeric Cellular Delivery Systems. BioMed Research International, 2014, 2014, 1-9.	1.9	4
59	Release of the Non-Steroidal Anti-Inflammatory Drug Flufenamic Acid by Multiparticulate Delivery Systems Promotes Adipogenic Differentiation of Adipose-Derived Stem Cells. Materials, 2020, 13, 1550.	2.9	4
60	The Impact of Graphene Oxide on Bone Regeneration Therapies. , 0, , .		3
61	The Cellular and Molecular Patterns Involved in the Neural Differentiation of Adipose-Derived Stem Cells. Advances in Experimental Medicine and Biology, 2020, 1298, 23-41.	1.6	3
62	Epitranscriptomic signatures in stem cell differentiation to the neuronal lineage. RNA Biology, 2021, 18, 51-60.	3.1	3
63	The gene regulation knowledge commons: the action area of GREEKC. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2022, 1865, 194768.	1.9	3
64	Human Adipose-Derived Stem Cells for Tissue Engineering Approaches: Current Challenges and Perspectives. , 2018, , .		2
65	Circulatory leukotriene changes during bone healing following osteotomies prepared with Er:YAG laser and piezosurgery: an animal study. Biotechnology and Biotechnological Equipment, 2019, 33, 325-330.	1.3	0
66	MNPs-Enriched Biomaterials as Promising Candidates for Nervous Tissue Engineering Applications. , 0, , .		0