

UroÅ; Maver

List of Publications by Year in descending order

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117
papers

3,150
citations

147566

31
h-index

197535

49
g-index

122
all docs

122
docs citations

122
times ranked

4248
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of aerogel-based materials in biomedical applications. Journal of Sol-Gel Science and Technology, 2016, 77, 738-752.	1.1	202
2	Green corrosion inhibitors for aluminium and its alloys: a review. RSC Advances, 2017, 7, 27299-27330.	1.7	134
3	A review of herbal medicines in wound healing. International Journal of Dermatology, 2015, 54, 740-751.	0.5	121
4	Functional wound dressing materials with highly tunable drug release properties. RSC Advances, 2015, 5, 77873-77884.	1.7	101
5	Recent progressive use of atomic force microscopy in biomedical applications. TrAC - Trends in Analytical Chemistry, 2016, 80, 96-111.	5.8	100
6	Understanding controlled drug release from mesoporous silicates: Theory and experiment. Journal of Controlled Release, 2011, 155, 409-417.	4.8	92
7	The corrosion inhibition of certain azoles on steel in chloride media: Electrochemistry and surface analysis. Corrosion Science, 2016, 111, 370-381.	3.0	74
8	Combining 3D printing and electrospinning for preparation of pain-relieving wound-dressing materials. Journal of Sol-Gel Science and Technology, 2018, 88, 33-48.	1.1	73
9	Hindered Disulfide Bonds to Regulate Release Rate of Model Drug from Mesoporous Silica. ACS Applied Materials & Interfaces, 2013, 5, 3908-3915.	4.0	68
10	Novel hybrid silica xerogels for stabilization and controlled release of drug. International Journal of Pharmaceutics, 2007, 330, 164-174.	2.6	65
11	Polysaccharide-Based Bioink Formulation for 3D Bioprinting of an In Vitro Model of the Human Dermis. Nanomaterials, 2020, 10, 733.	1.9	64
12	Skin Cancer and Its Treatment: Novel Treatment Approaches with Emphasis on Nanotechnology. Journal of Nanomaterials, 2017, 2017, 1-20.	1.5	61
13	Polyester type polyHIPE scaffolds with an interconnected porous structure for cartilage regeneration. Scientific Reports, 2016, 6, 28695.	1.6	60
14	Cellulose based thin films as a platform for drug release studies to mimick wound dressing materials. Cellulose, 2015, 22, 749-761.	2.4	56
15	Novel chitosan/diclofenac coatings on medical grade stainless steel for hip replacement applications. Scientific Reports, 2016, 6, 26653.	1.6	56
16	Novel cellulose based materials for safe and efficient wound treatment. Carbohydrate Polymers, 2014, 100, 55-64.	5.1	54
17	Novel ethanol-induced pectin-xanthan aerogel coatings for orthopedic applications. Carbohydrate Polymers, 2017, 166, 365-376.	5.1	50
18	Hybrid 3D Printing of Advanced Hydrogel-Based Wound Dressings with Tailorable Properties. Pharmaceutics, 2021, 13, 564.	2.0	48

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19	Electrochemical synthesis and characterization of Fe ₇₀ Pd ₃₀ nanotubes for drug-delivery applications. <i>Materials Chemistry and Physics</i> , 2012, 133, 218-224.	2.0	47
20	NiCu magnetic nanoparticles: review of synthesis methods, surface functionalization approaches, and biomedical applications. <i>Nanotechnology Reviews</i> , 2018, 7, 187-207.	2.6	46
21	Diagnosis and management of diaper dermatitis in infants with emphasis on skin microbiota in the diaper area. <i>International Journal of Dermatology</i> , 2018, 57, 265-275.	0.5	44
22	Electrospun nanofibrous CMC/PEO as a part of an effective pain-relieving wound dressing. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 79, 475-486.	1.1	43
23	Gold nanoparticles in the engineering of antibacterial and anticoagulant surfaces. <i>Carbohydrate Polymers</i> , 2015, 117, 34-42.	5.1	42
24	Generic Method for Designing Self-Standing and Dual Porous 3D Bioscaffolds from Cellulosic Nanomaterials for Tissue Engineering Applications. <i>ACS Applied Bio Materials</i> , 2020, 3, 1197-1209.	2.3	42
25	Needleless electrospun carboxymethyl cellulose/polyethylene oxide mats with medicinal plant extracts for advanced wound care applications. <i>Cellulose</i> , 2020, 27, 4487-4508.	2.4	40
26	A multifunctional electrospun and dual nano-carrier biobased system for simultaneous detection of pH in the wound bed and controlled release of benzocaine. <i>Cellulose</i> , 2018, 25, 7277-7297.	2.4	38
27	Layering of different materials to achieve optimal conditions for treatment of painful wounds. <i>International Journal of Pharmaceutics</i> , 2017, 529, 576-588.	2.6	37
28	An attempt to use atomic force microscopy for determination of bond type in lithium battery electrodes. <i>Journal of Materials Chemistry</i> , 2011, 21, 4071.	6.7	36
29	Development of multifunctional 3D printed bioscaffolds from polysaccharides and NiCu nanoparticles and their application. <i>Applied Surface Science</i> , 2019, 488, 836-852.	3.1	35
30	Mechanical Properties and Cytotoxicity of Differently Structured Nanocellulose-hydroxyapatite Based Composites for Bone Regeneration Application. <i>Nanomaterials</i> , 2020, 10, 25.	1.9	35
31	Intervertebral disc tissue engineering: A brief review. <i>Bosnian Journal of Basic Medical Sciences</i> , 2019, 19, 130-137.	0.6	34
32	Nanocomposites containing embedded superparamagnetic iron oxide nanoparticles and rhodamine 6G. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 334, 74-79.	2.3	33
33	Recent Advancements in 3D Printing of Polysaccharide Hydrogels in Cartilage Tissue Engineering. <i>Materials</i> , 2021, 14, 3977.	1.3	31
34	Vitrification from solution in restricted space: Formation and stabilization of amorphous nifedipine in a nanoporous silica xerogel carrier. <i>International Journal of Pharmaceutics</i> , 2007, 343, 131-140.	2.6	30
35	Advanced therapies of skin injuries. <i>Wiener Klinische Wochenschrift</i> , 2015, 127, 187-198.	1.0	30
36	Chitosanâ€“Cellulose Multifunctional Hydrogel Beads: Design, Characterization and Evaluation of Cytocompatibility with Breast Adenocarcinoma and Osteoblast Cells. <i>Bioengineering</i> , 2018, 5, 3.	1.6	30

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37	Carboxymethyl cellulose/diclofenac bioactive coatings on AISI 316LVM for controlled drug delivery, and improved osteogenic potential. Carbohydrate Polymers, 2020, 230, 115612.	5.1	30
38	Incorporation and release of drug into/from superparamagnetic iron oxide nanoparticles. Journal of Magnetism and Magnetic Materials, 2009, 321, 3187-3192.	1.0	28
39	A combination of interdisciplinary analytical tools for evaluation of multi-layered coatings on medical grade stainless steel for biomedical applications. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 128, 230-246.	2.0	28
40	Polysaccharide Thin Solid Films for Analgesic Drug Delivery and Growth of Human Skin Cells. Frontiers in Chemistry, 2019, 7, 217.	1.8	28
41	Electrophoretic deposition as a tool for separation of protein inclusion bodies from host bacteria in suspension. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 340, 155-160.	2.3	27
42	Clindamycin-Based 3D-Printed and Electrospun Coatings for Treatment of Implant-Related Infections. Materials, 2021, 14, 1464.	1.3	27
43	Isolation and characterization of human articular chondrocytes from surgical waste after total knee arthroplasty (TKA). PeerJ, 2017, 5, e3079.	0.9	23
44	Multiple- μ Level Porous Polymer Monoliths with Interconnected Cellular Topology Prepared by Combining Hard Sphere and Emulsion Templating for Use in Bone Tissue Engineering. Macromolecular Bioscience, 2018, 18, 1700306.	2.1	23
45	Low-molecular-weight sulfonated chitosan as template for anticoagulant nanoparticles. International Journal of Nanomedicine, 2018, Volume 13, 4881-4894.	3.3	23
46	Modification of cellulose non-woven substrates for preparation of modern wound dressings. Textile Reseach Journal, 2014, 84, 96-112.	1.1	22
47	Multilayered Polysaccharide Nanofilms for Controlled Delivery of Pentoxifylline and Possible Treatment of Chronic Venous Ulceration. Biomacromolecules, 2017, 18, 2732-2746.	2.6	22
48	The Potential Biomedical Application of NiCu Magnetic Nanoparticles. Magnetochemistry, 2019, 5, 66.	1.0	22
49	Nanofibrous polysaccharide hydroxyapatite composites with biocompatibility against human osteoblasts. Carbohydrate Polymers, 2017, 177, 388-396.	5.1	21
50	Nano- and Micropatterned Polycaprolactone Cellulose Composite Surfaces with Tunable Protein Adsorption, Fibrin Clot Formation, and Endothelial Cellular Response. Biomacromolecules, 2019, 20, 2327-2337.	2.6	21
51	Seasonal variations of vitamin D concentrations in pregnant women and neonates in Slovenia. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2014, 181, 6-9.	0.5	20
52	Internalization of (bis)phosphonate-modified cellulose nanocrystals by human osteoblast cells. Cellulose, 2017, 24, 4235-4252.	2.4	20
53	Novel drug delivery system based on NiCu nanoparticles for targeting various cells. Journal of Sol-Gel Science and Technology, 2018, 88, 57-65.	1.1	20
54	Novel electrospun fibers with incorporated commensal bacteria for potential preventive treatment of the diabetic foot. Nanomedicine, 2018, 13, 1583-1594.	1.7	20

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55	Systematic Evaluation of a Diclofenac-Loaded Carboxymethyl Cellulose-Based Wound Dressing and Its Release Performance with Changing pH and Temperature. <i>AAPS PharmSciTech</i> , 2019, 20, 29.	1.5	20
56	Guest-host van der Waals interactions decisively affect the molecular transport in mesoporous media. <i>Journal of Materials Chemistry</i> , 2012, 22, 1112-1120.	6.7	19
57	Corrosion inhibition and surface analysis of amines on mild steel in chloride medium. <i>Chemical Papers</i> , 2017, 71, 81-89.	1.0	19
58	Different Cannabis sativa Extraction Methods Result in Different Biological Activities against a Colon Cancer Cell Line and Healthy Colon Cells. <i>Plants</i> , 2021, 10, 566.	1.6	19
59	A green approach to obtain stable and hydrophilic cellulose-based electrospun nanofibrous substrates for sustained release of therapeutic molecules. <i>RSC Advances</i> , 2019, 9, 21288-21301.	1.7	18
60	Morphological, mechanical, and in-vitro bioactivity of gelatine/collagen/hydroxyapatite based scaffolds prepared by unidirectional freeze-casting. <i>Polymer Testing</i> , 2021, 102, 107308.	2.3	18
61	Novel Budesonide Particles for Dry Powder Inhalation Prepared Using a Microfluidic Reactor Coupled With Ultrasonic Spray Freeze Drying. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 1881-1888.	1.6	17
62	Impact of growth factors on wound healing in polysaccharide blend thin films. <i>Applied Surface Science</i> , 2019, 489, 485-493.	3.1	17
63	Suspensions of modified TiO ₂ nanoparticles with supreme UV filtering ability,. <i>Journal of Materials Chemistry</i> , 2009, 19, 8176.	6.7	16
64	Plant-Derived Medicines with Potential Use in Wound Treatment. , 0, , .		16
65	Chemical Structure Antioxidant Activity Relationship of Water-Based Enzymatic Polymerized Rutin and Its Wound Healing Potential. <i>Polymers</i> , 2019, 11, 1566.	2.0	16
66	Microvascular Tissue Engineering A Review. <i>Biomedicines</i> , 2021, 9, 589.	1.4	16
67	Interaction and enrichment of protein on cationic polysaccharide surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 533-541.	2.5	15
68	Renal proximal tubular epithelial cells: review of isolation, characterization, and culturing techniques. <i>Molecular Biology Reports</i> , 2020, 47, 9865-9882.	1.0	15
69	A fast and simple method for preparation of calcium carbonate drug composites for fast drug release. <i>Materials Research Bulletin</i> , 2013, 48, 137-145.	2.7	14
70	Endometrial Cancer and its cell lines. <i>Molecular Biology Reports</i> , 2020, 47, 1399-1411.	1.0	14
71	Association between umbilical cord vitamin D levels and adverse neonatal outcomes. <i>Journal of International Medical Research</i> , 2020, 48, 030006052095500.	0.4	14
72	In vitro toxicity model: Upgrades to bridge the gap between preclinical and clinical research. <i>Bosnian Journal of Basic Medical Sciences</i> , 2020, 20, 157-168.	0.6	14

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73	Maximizing Interpretability and Cost-Effectiveness of Surgical Site Infection (SSI) Predictive Models Using Feature-Specific Regularized Logistic Regression on Preoperative Temporal Data. <i>Computational and Mathematical Methods in Medicine</i> , 2019, 2019, 1-13.	0.7	13
74	Cultured Meat: Meat Industry Hand in Hand with Biomedical Production Methods. <i>Food Engineering Reviews</i> , 2020, 12, 498-519.	3.1	13
75	Determinants of maternal vitamin D concentrations in Slovenia. <i>Wiener Klinische Wochenschrift</i> , 2017, 129, 21-28.	1.0	12
76	Electrospun Composite Nanofibrous Materials Based on (Poly)-Phenol-Polysaccharide Formulations for Potential Wound Treatment. <i>Materials</i> , 2020, 13, 2631.	1.3	12
77	Addressing the Needs of the Rapidly Aging Society through the Development of Multifunctional Bioactive Coatings for Orthopedic Applications. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2786.	1.8	12
78	Organic acid cross-linked 3D printed cellulose nanocomposite bioscaffolds with controlled porosity, mechanical strength, and biocompatibility. <i>IScience</i> , 2022, 25, 104263.	1.9	12
79	Reusability of SPE and Sb-modified SPE Sensors for Trace Pb(II) Determination. <i>Sensors</i> , 2018, 18, 3976.	2.1	11
80	Core/shell Printing Scaffolds For Tissue Engineering Of Tubular Structures. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	11
81	Dexamethasone-Loaded Bioactive Coatings on Medical Grade Stainless Steel Promote Osteointegration. <i>Pharmaceutics</i> , 2021, 13, 568.	2.0	11
82	Artificial Biomimetic Electrochemical Assemblies. <i>Biosensors</i> , 2022, 12, 44.	2.3	11
83	One-Step Fabrication of Hollow Spherical Cellulose Beads: Application in pH-Responsive Therapeutic Delivery. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 3726-3739.	4.0	11
84	Polymer Characterization with the Atomic Force Microscope. , 0, , .		10
85	Functionalisation of Silicone by Drug-Embedded Chitosan Nanoparticles for Potential Applications in Otorhinolaryngology. <i>Materials</i> , 2019, 12, 847.	1.3	10
86	Design of In Vitro Hair Follicles for Different Applications in the Treatment of Alopecia – A Review. <i>Biomedicines</i> , 2021, 9, 435.	1.4	10
87	NiCu-silica nanoparticles as a potential drug delivery system. <i>Journal of Sol-Gel Science and Technology</i> , 2022, 101, 493-504.	1.1	9
88	The development and characterization of bioactive coatings for local drug delivery in orthopedic applications. <i>Progress in Organic Coatings</i> , 2021, 158, 106350.	1.9	9
89	Zinc-phosphate nanoparticles with reversibly attached TNF- α analogs: an interesting concept for potential use in active immunotherapy. <i>Journal of Nanoparticle Research</i> , 2011, 13, 3019-3032.	0.8	8
90	Optimised isolation and characterisation of adult human astrocytes from neurotrauma patients. <i>Journal of Neuroscience Methods</i> , 2020, 341, 108796.	1.3	8

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91	Mesenchymal Stem Cells Isolated from Paediatric Paravertebral Adipose Tissue Show Strong Osteogenic Potential. <i>Biomedicines</i> , 2022, 10, 378.	1.4	8
92	Novel Methacrylate-Based Multilayer Nanofilms with Incorporated FePt-Based Nanoparticles and the Anticancer Drug 5-Fluorouracil for Skin Cancer Treatment. <i>Pharmaceutics</i> , 2022, 14, 689.	2.0	8
93	The relation between the interfacial contact and SiO ₂ coating efficiency and properties in the case of two clarithromycin polymorphs. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 371, 119-125.	2.3	6
94	Bioactive Polysaccharide Materials for Modern Wound Healing. <i>Springer Briefs in Molecular Science</i> , 2018, , .	0.1	6
95	Gynaecological cancers and their cell lines. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 3680-3698.	1.6	5
96	The Endplate Role in Degenerative Disc Disease Research: The Isolation of Human Chondrocytes from Vertebral Endplate—An Optimised Protocol. <i>Bioengineering</i> , 2022, 9, 137.	1.6	5
97	MFUM-BrTNBC-1, a Newly Established Patient-Derived Triple-Negative Breast Cancer Cell Line: Molecular Characterisation, Genetic Stability, and Comprehensive Comparison with Commercial Breast Cancer Cell Lines. <i>Cells</i> , 2022, 11, 117.	1.8	5
98	Isolation and characterization of the first Slovenian human triple-negative breast cancer cell line. <i>Breast Journal</i> , 2020, 26, 328-330.	0.4	4
99	Investigating the Viability of Epithelial Cells on Polymer Based Thin-Films. <i>Polymers</i> , 2021, 13, 2311.	2.0	4
100	Utilization of Optical Polarization Microscopy in the Study of Sorption Characteristics of Wound Dressing Host Materials. <i>Microscopy and Microanalysis</i> , 2014, 20, 561-565.	0.2	3
101	Capillary wetting of profiled polyester fibres—a comparison between macroscopic and microscopic analysis. <i>Materials Research Express</i> , 2018, 5, 015310.	0.8	3
102	Matrix Tablets for Controlled Release of Drugs Incorporated Using Capillary Absorption. <i>AAPS PharmSciTech</i> , 2019, 20, 91.	1.5	3
103	Genetic biases related to chronic venous ulceration. <i>Journal of Wound Care</i> , 2019, 28, 59-65.	0.5	3
104	Sol-gel preparation of Ni _x Cu _{1-x} /silica nanocomposites using different silica precursors. <i>Journal of Sol-Gel Science and Technology</i> , 2022, 101, 579-587.	1.1	3
105	Progressive use of multispectral imaging flow cytometry in various research areas. <i>Analyst, The</i> , 2021, 146, 4985-5007.	1.7	3
106	Humane celične linije raka dojke. <i>Zdravniški Vestnik</i> , 2019, 88, 427-43.	0.1	2
107	In Vitro Disease Models of the Endocrine Pancreas. <i>Biomedicines</i> , 2021, 9, 1415.	1.4	2
108	Plasma Induced Hydrophilic Cellulose Wound Dressing. , 2013, , .		1

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109	Emerging Techniques in the Preparation of Wound Care Products. Springer Briefs in Molecular Science, 2018, , 25-38.	0.1	1
110	Active Substances for Acceleration of Wound Healing. Springer Briefs in Molecular Science, 2018, , 39-59.	0.1	1
111	Isolation, characterisation and phagocytic function of human macrophages from human peripheral blood. Molecular Biology Reports, 2020, 47, 6929-6940.	1.0	1
112	The Isolation of Human Glioblastoma Cells: An Optimised Protocol. Acta Medica Academica, 2021, 49, 4.	0.3	1
113	Effects of the reservoir bag disconnection on inspired gases during general anesthesia: a simulator-based study. BMC Anesthesiology, 2021, 21, 32.	0.7	1
114	A Review of the Degenerative Intervertebral Disc Disease. British Journal of Medicine and Medical Research, 2017, 19, 1-6.	0.2	0
115	Safety and Efficiency Testing. Springer Briefs in Molecular Science, 2018, , 87-94.	0.1	0
116	Tissue Engineering Products. Springer Briefs in Molecular Science, 2018, , 75-85.	0.1	0
117	Other Solutions to Achieve Desired Wound Healing Characteristics. Springer Briefs in Molecular Science, 2018, , 61-73.	0.1	0