Anton Ficai

List of Publications by Citations

163 papers	3,116 citations	29 h-index	48 g-index
231 ext. papers	4,022 ext. citations	3.6 avg, IF	5.54 L-index

#	Paper	IF	Citations
163	Biomedical Applications of Silver Nanoparticles: An Up-to-Date Overview. *Nanomaterials*, **2018**, 8,	5.4	538
162	Montmorillonite-alginate nanocomposite as a drug delivery system--incorporation and in vitro release of irinotecan. *International Journal of Pharmaceutics*, **2014**, 463, 184-92	6.5	109
161	Synthesis and characterization of a novel controlled release zinc oxide/gentamicin-chitosan composite with potential applications in wounds care. *International Journal of Pharmaceutics*, **2014**, 463, 161-9	6.5	81
160	Synthesis and characterization of collagen/hydroxyapatite: magnetite composite material for bone cancer treatment. *Journal of Materials Science: Materials in Medicine*, **2010**, 21, 2237-42	4.5	80
159	Biodegradable Antimicrobial Food Packaging: Trends and Perspectives. *Foods*, **2020**, 9,	4.9	78
158	Biohybrid nanostructured iron oxide nanoparticles and Satureja hortensis to prevent fungal biofilm development. *International Journal of Molecular Sciences*, **2013**, 14, 18110-23	6.3	68
157	Self-assembled collagen/hydroxyapatite composite materials. *Chemical Engineering Journal*, **2010**, 160, 794-800	14.7	62
156	Water dispersible cross-linked magnetic chitosan beads for increasing the antimicrobial efficiency of aminoglycoside antibiotics. *International Journal of Pharmaceutics*, **2013**, 454, 233-40	6.5	61
155	Functionalized antibiofilm thin coatings based on PLA/PVA microspheres loaded with usnic acid natural compounds fabricated by MAPLE. *Applied Surface Science*, **2014**, 302, 262-267	6.7	56
154	Multifunctional materials for bone cancer treatment. *International Journal of Nanomedicine*, **2014**, 9, 2713-25	7.3	50
153	Synthesis, characterization and in vitro assessment of the magnetic chitosan-carboxymethylcellulose biocomposite interactions with the prokaryotic and eukaryotic cells. *International Journal of Pharmaceutics*, **2012**, 436, 771-7	6.5	49
152	Hybrid materials based on montmorillonite and citostatic drugs: Preparation and characterization. *Applied Clay Science*, **2011**, 52, 62-68	5.2	47
151	ZnO Applications and Challenges. *Current Organic Chemistry*, **2014**, 18, 192-203	1.7	47
150	Collagen-hydroxyapatite/cisplatin drug delivery systems for locoregional treatment of bone cancer. *Technology in Cancer Research and Treatment*, **2013**, 12, 275-84	2.7	46
149	An Overview of Biopolymeric Electrospun Nanofibers Based on Polysaccharides for Wound Healing Management. *Pharmaceutics*, **2020**, 12,	6.4	46
148	SYNTHESIS AND APPLICATIONS OF Fe3O4/SiO2 CORE-SHELL MATERIALS. *Current Pharmaceutical Design*, **2015**, 21, 5324-35	3.3	45
147	MAPLE fabricated magnetite@eugenol and (3-hidroxybutyric acid-co-3-hidroxyvaleric acid)/polyvinyl alcohol microspheres coated surfaces with anti-microbial properties. *Applied Surface Science*, **2014**, 306, 16-22	6.7	43

146	Water dispersible magnetite nanoparticles influence the efficacy of antibiotics against planktonic and biofilm embedded Enterococcus faecalis cells. *Anaerobe*, **2013**, 22, 14-9	2.8	42
145	Magnetite nanoparticles for functionalized textile dressing to prevent fungal biofilms development. *Nanoscale Research Letters*, **2012**, 7, 501	5	42
144	Modified wound dressing with phyto-nanostructured coating to prevent staphylococcal and pseudomonal biofilm development. *Nanoscale Research Letters*, **2012**, 7, 690	5	41
143	Magnetite: from synthesis to applications. *Current Topics in Medicinal Chemistry*, **2015**, 15, 1622-40	3	39
142	In vitro activity of the new water-dispersible Fe3O4@usnic acid nanostructure against planktonic and sessile bacterial cells. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	38
141	New Collagen-Dextran-Zinc Oxide Composites for Wound Dressing. *Journal of Nanomaterials*, **2016**, 2016, 1-7	3.2	35
140	Usnic acid-loaded biocompatible magnetic PLGA-PVA microsphere thin films fabricated by MAPLE with increased resistance to staphylococcal colonization. *Biofabrication*, **2014**, 6, 035002	10.5	33
139	Collagen hydrolysate based collagen/hydroxyapatite composite materials. *Journal of Molecular Structure*, **2013**, 1037, 154-159	3.4	33
138	Fabrication, characterization and in vitro profile based interaction with eukaryotic and prokaryotic cells of alginate-chitosan-silica biocomposite. *International Journal of Pharmaceutics*, **2013**, 441, 555-61	6.5	32
137	Synthesis and characterization of COLL-PVA/HA hybrid materials with stratified morphology. *Colloids and Surfaces B: Biointerfaces*, **2010**, 81, 614-9	6	32
136	Silver Based Materials for Biomedical Applications. *Current Organic Chemistry*, **2014**, 18, 173-184	1.7	30
135	The influence of collagen support and ionic species on the morphology of collagen/hydroxyapatite composite materials. *Materials Characterization*, **2010**, 61, 402-407	3.9	29
134	Innovative Antimicrobial Chitosan/ZnO/Ag NPs/Citronella Essential Oil Nanocomposite-Potential Coating for Grapes. *Foods*, **2020**, 9,	4.9	28
133	Chitosan/Graphene Oxide Nanocomposite Membranes as Adsorbents with Applications in Water Purification. *Materials*, **2020**, 13,	3.5	27
132	Antimicrobial Chitosan based formulations with impact on different biomedical applications. *Current Pharmaceutical Biotechnology*, **2015**, 16, 128-36	2.6	25
131	Collagen/hydroxyapatite composite obtained by electric field orientation. *Materials Letters*, **2010**, 64, 541-544	3.3	24
130	Biodegradable Alginate Films with ZnO Nanoparticles and Citronella Essential Oil-A Novel Antimicrobial Structure. *Pharmaceutics*, **2021**, 13,	6.4	24
129	Sintering effects of mullite-doping on mechanical properties of bovine hydroxyapatite. *Materials Science and Engineering C*, **2017**, 77, 470-475	8.3	23

128	Recent Advances in Manufacturing Innovative Stents. *Pharmaceutics*, **2020**, 12,	6.4	23
127	Synthesis and characterization of new composite materials based on poly(methacrylic acid) and hydroxyapatite with applications in dentistry. *International Journal of Pharmaceutics*, **2016**, 510, 516-23	6.5	23
126	Mesoporous Silica Platforms with Potential Applications in Release and Adsorption of Active Agents. *Molecules*, **2020**, 25,	4.8	23
125	Nanostructured Fibers Containing Natural or Synthetic Bioactive Compounds in Wound Dressing Applications. *Materials*, **2020**, 13,	3.5	22
124	Fabrication of magnetite-based core-shell coated nanoparticles with antibacterial properties. *Biofabrication*, **2015**, 7, 015014	10.5	22
123	Molecular mechanism and targets of the antimicrobial activity of metal nanoparticles. *Current Topics in Medicinal Chemistry*, **2015**, 15, 1583-8	3	21
122	Electrospun Polyethylene Terephthalate Nanofibers Loaded with Silver Nanoparticles: Novel Approach in Anti-Infective Therapy. *Journal of Clinical Medicine*, **2019**, 8,	5.1	20
121	Composite Scaffolds Based on Silver Nanoparticles for Biomedical Applications. *Journal of Nanomaterials*, **2015**, 2015, 1-8	3.2	20
120	Layer by layer deposition of hydroxyapatite onto the collagen matrix. *Materials Science and Engineering C*, **2009**, 29, 2217-2220	8.3	20
119	Optimized Synthesis Approaches of Metal Nanoparticles with Antimicrobial Applications. *Journal of Nanomaterials*, **2020**, 2020, 1-14	3.2	20
118	Metal Oxide Nanoparticles: Potential Uses in Biomedical Applications. *Current Proteomics*, **2014**, 11, 139-149	0.7	20
117	Applications of mesoporous silica in biosensing and controlled release of insulin. *International Journal of Pharmaceutics*, **2018**, 549, 179-200	6.5	19
116	Antibacterial Activity of Bacterial Cellulose Loaded with Bacitracin and Amoxicillin: In Vitro Studies. *Molecules*, **2020**, 25,	4.8	19
115	Synthesis and characterization of hybrid PVA/Al2O3 thin film. *Materials Letters*, **2012**, 74, 132-136	3.3	18
114	MAPLE deposition of Nigella sativa functionalized Fe3O4 nanoparticles for antimicrobial coatings. *Applied Surface Science*, **2018**, 455, 513-521	6.7	18
113	Influence of nanometric silicon carbide on phenolic resin composites properties. *Bulletin of Materials Science*, **2016**, 39, 769-775	1.7	17
112	New silica nanostructure for the improved delivery of topical antibiotics used in the treatment of staphylococcal cutaneous infections. *International Journal of Pharmaceutics*, **2014**, 463, 170-6	6.5	17
111	Biocompatible Magnetic Hollow Silica Microspheres for Drug Delivery. *Current Organic Chemistry*, **2013**, 17, 1029-1033	1.7	17

110	Smart Food Packaging Designed by Nanotechnological and Drug Delivery Approaches. *Coatings*, **2020**, 10, 806	2.9	17
109	Collagen/hydroxyapatite bone grafts manufactured by homogeneous/heterogeneous 3D printing. *Materials Letters*, **2018**, 231, 179-182	3.3	16
108	Advances in Osteoporotic Bone Tissue Engineering. *Journal of Clinical Medicine*, **2021**, 10,	5.1	16
107	Antibiofilm Coatings Based on PLGA and Nanostructured Cefepime-Functionalized Magnetite. *Nanomaterials*, **2018**, 8,	5.4	16
106	Surface evaluation of titanium oxynitride coatings used for developing layered cardiovascular stents. *Materials Science and Engineering C*, **2019**, 99, 405-416	8.3	15
105	Gamma-cyclodextrin/usnic acid thin film fabricated by MAPLE for improving the resistance of medical surfaces to Staphylococcus aureus colonization. *Applied Surface Science*, **2015**, 336, 407-412	6.7	15
104	Polycaprolactone/Gelatin/Hyaluronic Acid Electrospun Scaffolds to Mimic Glioblastoma Extracellular Matrix. *Materials*, **2020**, 13,	3.5	15
103	New composite materials based on alginate and hydroxyapatite as potential carriers for ascorbic acid. *International Journal of Pharmaceutics*, **2016**, 510, 501-7	6.5	15
102	3D Propolis-Sodium Alginate Scaffolds: Influence on Structural Parameters, Release Mechanisms, Cell Cytotoxicity and Antibacterial Activity. *Molecules*, **2020**, 25,	4.8	14
101	Collagen/hydroxyapatite composite materials with desired ceramic properties. *Journal of Electron Microscopy*, **2011**, 60, 253-9		14
100	Mesoporous materials used in medicine and environmental applications. *Current Topics in Medicinal Chemistry*, **2015**, 15, 1501-15	3	14
99	Electrically Triggered Drug Delivery from Novel Electrospun Poly(Lactic Acid)/Graphene Oxide/Quercetin Fibrous Scaffolds for Wound Dressing Applications. *Pharmaceutics*, **2021**, 13,	6.4	14
98	Antibacterial Biodegradable Films Based on Alginate with Silver Nanoparticles and Lemongrass Essential Oil-Innovative Packaging for Cheese. *Nanomaterials*, **2021**, 11,	5.4	13
97	Controlling the Degradation Rate of Biodegradable Mg-Zn-Mn Alloys for Orthopedic Applications by Electrophoretic Deposition of Hydroxyapatite Coating. *Materials*, **2020**, 13,	3.5	12
96	New approaches in layer by layer synthesis of collagen/hydroxyapatite composite materials. *Open Chemistry*, **2011**, 9, 283-289	1.6	12
95	Chitosan-Based Nanocomposite Polymeric Membranes for Water Purification-A Review. *Materials*, **2021**, 14,	3.5	12
94	Evaluation and Exploitation of Bioactive Compounds of Walnut, Juglans regia. *Current Pharmaceutical Design*, **2019**, 25, 119-131	3.3	11
93	Development of Stabilized Magnetite Nanoparticles for Medical Applications. *Journal of Nanomaterials*, **2017**, 2017, 1-9	3.2	11

92	Advances in Collagen/Hydroxyapatite Composite Materials		11
91	Fabrication of naturel pumice/hydroxyapatite composite for biomedical engineering. *BioMedical Engineering OnLine*, **2016**, 15, 81	4.1	11
90	Collagen-Carboxymethylcellulose Biocomposite Wound-Dressings with Antimicrobial Activity. *Materials*, **2021**, 14,	3.5	11
89	MAPLE fabricated coatings based on magnetite nanoparticles embedded into biopolymeric spheres resistant to microbial colonization. *Applied Surface Science*, **2018**, 448, 230-236	6.7	10
88	Caprolactam-silica network, a strong potentiator of the antimicrobial activity of kanamycin against gram-positive and gram-negative bacterial strains. *International Journal of Pharmaceutics*, **2013**, 446, 63-9	6.5	10
87	Antitumoral materials with regenerative function obtained using a layer-by-layer technique. *Drug Design, Development and Therapy*, **2015**, 9, 1269-79	4.4	10
86	Kinetic Release Studies of Antibiotic Patches for Local Transdermal Delivery. *Pharmaceutics*, **2021**, 13,	6.4	10
85	Multifunctional Platforms Based on Graphene Oxide and Natural Products. *Medicina (Lithuania)*, **2019**, 55,	3.1	9
84	Antimicrobial Films based on Chitosan, Collagen, and ZnO for Skin Tissue Regeneration. *Biointerface Research in Applied Chemistry*, **2021**, 11, 11985-11995	2.8	9
83	Design and characterization of polypropylene matrix/glass fibers composite materials. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	8
82	Chitosan/poly(ethylene glycol)/hyaluronic acid biocompatible patches obtained by electrospraying. *Biomedical Materials (Bristol)*, **2018**, 13, 055011	3.5	8
81	Wound Dressing Based Collagen Biomaterials Containing Usnic Acid as Quorum Sensing Inhibitor Agent: Synthesis, Characterization and Bioevaluation. *Current Organic Chemistry*, **2013**, 17, 125-131	1.7	8
80	Novel hydrogels based on collagen and ZnO nanoparticles with antibacterial activity for improved wound dressings. *Romanian Biotechnological Letters*, **2019**, 24, 317-323	1.2	8
79	Mechanical and Biocompatibility Properties of Calcium Phosphate Bioceramics Derived from Salmon Fish Bone Wastes. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	8
78	Zinc Oxide Nanoparticles for Water Purification. *Materials*, **2021**, 14,	3.5	8
77	Production and Characterization of Antimicrobial Electrospun Nanofibers Containing Polyurethane, Zirconium Oxide and Zeolite. *BioNanoScience*, **2018**, 8, 154-165	3.4	7
76	Controlled Release of Metformin Hydrochloride from Core-Shell Nanofibers with Fish Sarcoplasmic Protein. *Medicina (Lithuania)*, **2019**, 55,	3.1	7
75	Antimicrobial coatings obtaining and characterization. *Bulletin of Materials Science*, **2013**, 36, 183-188	1.7	7

74	Advances in Drug Delivery Systems, from 0 to 3D superstructures. *Current Drug Targets*, **2018**, 19, 393-405	3	7
73	Synthesis and Characterization of Magnetite-Polysulfone Micro- and Nanobeads with Improved Chemical Stability in Acidic Media. *Current Nanoscience*, **2013**, 9, 271-277	1.4	7
72	Profiling of Phenolic Compounds and Triterpene Acids of Twelve Apple (Borkh.) Cultivars. *Foods*, **2021**, 10,	4.9	7
71	Biocompatible hydrodispersible magnetite nanoparticles used as antibiotic drug carriers. *Romanian Journal of Morphology and Embryology*, **2015**, 56, 365-70	0.6	7
70	Tetracycline Loaded Collagen/Hydroxyapatite Composite Materials for Biomedical Applications. *Journal of Nanomaterials*, **2015**, 2015, 1-5	3.2	6
69	Fabrication and characterization of functionalized surfaces with 3-amino propyltrimethoxysilane films for anti-infective therapy applications. *Applied Surface Science*, **2015**, 336, 401-406	6.7	6
68	Nanostructured biomaterials with antimicrobial properties. *Current Medicinal Chemistry*, **2014**, 21, 3391-404	4.5	6
67	MAGNETIC CORE SHELL STRUCTURES: from 0D to 1D assembling. *Current Pharmaceutical Design*, **2015**, 21, 5301-11	3.3	6
66	Antitumor Activity of Magnetite Nanoparticles: Influence of Hydrocarbonated Chain of Saturated Aliphatic Monocarboxylic Acids. *Current Organic Chemistry*, **2013**, 17, 831-840	1.7	6
65	Propolis-Based Nanofiber Patches to Repair Corneal Microbial Keratitis. *Molecules*, **2021**, 26,	4.8	6
64	Polyamide/Polypropylene/graphene oxide nanocomposites with functional compatibilizers: Morpho-structural and physico-mechanical characterization. *Procedia Structural Integrity*, **2017**, 5, 675-682	1	5
63	Biomimetic Collagen/Zn-Substituted Calcium Phosphate Composite Coatings on Titanium Substrates as Prospective Bioactive Layer for Implants: A Comparative Study Spin Coating vs. MAPLE. *Nanomaterials*, **2019**, 9,	5.4	5
62	Acrylic polymer influence on the structure and morphology of AgNPs obtained by chemical method for antimicrobial applications **2016**, 13, 53-61		5
61	Functionalized Magnetic Nanostructures for Anticancer Therapy. *Current Drug Targets*, **2018**, 19, 239-247	3	5
60	Synthesis, characterization and bioevaluation of irinotecan-collagen hybrid materials for biomedical applications as drug delivery systems in tumoral treatments. *Open Chemistry*, **2013**, 11, 2134-2143	1.6	5
59	Alginate and Sulfanilamide Based DDS with Antibacterial Activity. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2014**, 63, 92-96	3	5
58	Synthesis and Characterization of Mesoporous Magnetite Based Nanoparticles. *Current Nanoscience*, **2012**, 8, 875-879	1.4	5
57	Bioactive Glass: An Extensive Study of the Preparation and Coating Methods. *Coatings*, **2021**, 11, 1386	2.9	5

56	Surface Modification of Poly(Vinylchloride) for Manufacturing Advanced Catheters. *Current Medicinal Chemistry*, **2020**, 27, 1616-1633	4.3	5
55	Drug Delivery Systems for Dental Applications. *Current Organic Chemistry*, **2016**, 21, 64-73	1.7	5
54	Multifunctional Materials for Cancer Therapy: From Antitumoral Agents to Innovative Administration. *Current Organic Chemistry*, **2016**, 20, 2934-2948	1.7	5
53	Simple and dual cross-linked chitosan millicapsules as a particulate support for cell culture. *International Journal of Biological Macromolecules*, **2020**, 143, 200-212	7.9	5
52	Production, Optimization and Characterization of Polylactic Acid Microparticles Using Electrospray with Porous Structure. *Applied Sciences (Switzerland)*, **2021**, 11, 5090	2.6	5
51	Manufacturing nanostructured chitosan-based 2D sheets with prolonged antimicrobial activity. *Romanian Journal of Morphology and Embryology*, **2018**, 59, 517-525	0.6	5
50	Electrospun nanofibers for tissue engineering applications **2019**, 77-95		4
49	Carboxymethyl-cellulose/Fe3O4 nanostructures for antimicrobial substances delivery. *Bio-Medical Materials and Engineering*, **2014**, 24, 1639-46	1	4
48	Mimicking the morphology of long bone. *Open Chemistry*, **2012**, 10, 1949-1953	1.6	4
47	Physical Characterization of Turbot (Psetta Maxima) Originated Natural Hydroxyapatite. *Acta Physica Polonica A*, **2017**, 131, 397-400	0.6	4
46	Mechanical properties of polyamide/carbon-fiber-fabric composites. *Materiali in Tehnologije*, **2016**, 50, 723-728	1.6	4
45	Prosthetic Devices with Functionalized Anti-biofilm Surface Based NanoAg@C18. *Current Organic Chemistry*, **2013**, 17, 105-112	1.7	4
44	Hybrid Magnetic Nanostructures For Cancer Diagnosis And Therapy. *Anti-Cancer Agents in Medicinal Chemistry*, **2019**, 19, 6-16	2.2	4
43	Bone - Graft Delivery Systems of Type PLGA- gentamicin and Collagen - hydroxyapatite - gentamicine **2019**, 56, 534-527		4
42	Advances in the field of soft tissue engineering **2016**, 355-386		4
41	High temperature superconducting materials based on Graphene / YBCO nanocomposite. *Materials Today: Proceedings*, **2016**, 3, 2628-2634	1.4	4
40	Successful Release of Voriconazole and Flavonoids from MAPLE Deposited Bioactive Surfaces. *Applied Sciences (Switzerland)*, **2019**, 9, 786	2.6	4
39	Nanotechnology: a challenge in hard tissue engineering with emphasis on bone cancer therapy **2017**, 513-539		3

38	Structural features and nitrogen positions in titanium oxynitride films grown in plasma of magnetron discharge. *Journal of Physics: Conference Series*, **2019**, 1281, 012062	0.3	3
37	Characterization of Cu/Ag/Eu/Hydroxyapatite Composites Produced by Wet Chemical Precipitation. *Acta Physica Polonica A*, **2017**, 131, 392-396	0.6	3
36	Magnetite-Silica Core/Shell Nanostructures: From Surface Functionalization towards Biomedical Applications A Review. *Applied Sciences (Switzerland)*, **2021**, 11, 11075	2.6	3
35	SPONGIOUS FILLERS BASED ON COLLAGEN HYDROXYAPATITE EUGENOL ACETATE WITH THERAPEUTIC POTENTIAL IN BONE CANCER. *Farmacia*, **2020**, 68, 313-321	1.7	3
34	Improvement of antibacterial and biocompatibility properties of electrospray biopolymer films by ZnO and MCM-41. *Polymer Bulletin*, **2020**, 77, 3657-3675	2.4	3
33	Nano-Hydroxyapatite vs. Xenografts: Synthesis, Characterization, and In Vitro Behavior. *Nanomaterials*, **2021**, 11,	5.4	3
32	Plasmon-Enhanced Photoresponse of Self-Powered Si Nanoholes Photodetector by Metal Nanowires. *Nanomaterials*, **2021**, 11,	5.4	3
31	From Biomedical Applications of Alginate towards CVD Implications Linked to COVID-19.. *Pharmaceuticals*, **2022**, 15,	5.2	3
30	Mesoporous Silica Materials Loaded with Gallic Acid with Antimicrobial Potential. *Nanomaterials*, **2022**, 12, 1648	5.4	3
29	Polymer nanocomposites PE/PE-g-MA/EPDM/nanoZnO and TiO2 dynamically crosslinked with sulphur and accelerators. *Procedia Structural Integrity*, **2017**, 5, 667-674	1	2
28	Structural and characterisation analysis of zinc-substituted hydroxyapatite with wet chemical precipitation method. *International Journal of Nano and Biomaterials*, **2016**, 6, 188	0.2	2
27	Can European Sea Bass (Dicentrarchus labrax) Scale Be a Good Candidate for Nano-Bioceramics Production?. *Key Engineering Materials*, **2016**, 696, 60-65	0.4	2
26	Extended release of vitamins from magnetite loaded polyanionic polymeric beads. *International Journal of Pharmaceutics*, **2016**, 510, 457-64	6.5	2
25	Incorporation of Silver Nanoparticles in Film Forming Materials for Long Term Antimicrobial Action. *Current Nanoscience*, **2015**, 11, 760-769	1.4	2
24	Biohydrogels for medical applications: A short review. *Organic Communications*, **2018**, 11", 123-141	1.4	2
23	Mechanical and tribological properties of nanofilled phenolic-matrix laminated composites. *Materiali in Tehnologije*, **2017**, 51, 569-575	1.6	2
22	New O-Aryl-Carbamoyl-Oxymino-Fluorene Derivatives with MI-Crobicidal and Antibiofilm Activity Enhanced by Combination with Iron Oxide Nanoparticles. *Molecules*, **2021**, 26,	4.8	2
21	Soft tissue engineering and microbial infections: Challenges and perspectives **2016**, 1-29		2

20	Multifunctional materials such as MCM-41Fe3O4folic acid as drug delivery system. *Romanian Journal of Morphology and Embryology*, **2016**, 57, 483-9	0.6	2
19	The Role of Susceptors in the Process of, Obtaining Nanopowders Using Microwaves **2019**,		1
18	Prevention of biofilm formation by material modification **2017**, 159-180		1
17	Zinc Oxide Nanostrucures **2017**, 503-514		1
16	Levodopa-Loaded 3D-Printed Poly (Lactic) Acid/Chitosan Neural Tissue Scaffold as a Promising Drug Delivery System for the Treatment of Parkinson Disease. *Applied Sciences (Switzerland)*, **2021**, 11, 10727	2.6	1
15	Trends in Materials Science for Ligament Reconstruction. *Current Stem Cell Research and Therapy*, **2017**, 12, 145-154	3.6	1
14	The use of microwaves in the process of obtaining nanopowders. *Journal of Microwave Power and Electromagnetic Energy*,1-20	1.4	1
13	Flax Fibres Fabric Surface Decoration with Nanoparticles - A Promising Tool for Developing Hybrid Reinforcing Agent of Thermoplastic Polymers. *Fibers and Polymers*, **2019**, 20, 2407-2415	2	1
12	Synthesis of TiO2 doped selenium nanoparticles using herbal turmeric powders coating on cotton fabric for antibacterial. *Journal of Physics: Conference Series*, **2018**, 1144, 012008	0.3	1
11	Non-invasive microanalysis of a written page from the Romanian heritage he Homiliary of Varlaam (Cazania lui Varlaam)*Microchemical Journal*, **2021**, 168, 106345	4.8	1
10	Acetylcholinesterase entrapment onto carboxyl-modified single-walled carbon nanotubes and poly (3,4-ethylenedioxythiophene) nanocomposite, film electrosynthesis characterization, and sensor application for dichlorvos detection in apple juice. *Microchemical Journal*, **2021**, 169, 106573	4.8	1
9	Bee Pollen Extracts: Chemical Composition, Antioxidant Properties, and Effect on the Growth of Selected Probiotic and Pathogenic Bacteria. *Antioxidants*, **2022**, 11, 959	7.1	1
8	Comparative Antimicrobial Activity of Silver Nanoparticles Obtained by Wet Chemical Reduction and Solvothermal Methods. *International Journal of Molecular Sciences*, **2022**, 23, 5982	6.3	1
7	. *IEEE Access*, **2021**, 9, 59766-59782	3.5	0
6	Fabrication of Electrospun Juglans regia (Juglone) Loaded Poly(lactic acid) Scaffolds as a Potential Wound Dressing Material. *Polymers*, **2022**, 14, 1971	4.5	0
5	Antibiotic Incidence, Distribution and Resistance in Wastewaters. *Proceedings (mdpi)*, **2019**, 29, 119	0.3	
4	Nanoarchitectonics prepared by laser processing and their biomedicinal applications **2019**, 23-53		
3	Recent advances in using magnetic materials for environmental applications **2017**, 1-32		

2	Synthesis and Characterization of Composites from Layered Silicates and Homo- and Copolymers of 2-Hydroxyethyl Methacrylate and P-Chloromethyl Styrene Obtained by In Situ Radical (Co)polymerization. *Molecular Crystals and Liquid Crystals*, **2010**, 521, 204-213	0.5
1	Nanotechnology in dentistry **2016**, 187-210	