

# Anton Ficai

## List of Publications by Year in descending order

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208  
papers

5,111  
citations

87888

38  
h-index

114465

63  
g-index

231  
all docs

231  
docs citations

231  
times ranked

6301  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomedical Applications of Silver Nanoparticles: An Up-to-Date Overview. <i>Nanomaterials</i> , 2018, 8, 681.	4.1	828
2	Biodegradable Antimicrobial Food Packaging: Trends and Perspectives. <i>Foods</i> , 2020, 9, 1438.	4.3	179
3	Montmorillonite- <i>alginate</i> nanocomposite as a drug delivery system - incorporation and in vitro release of irinotecan. <i>International Journal of Pharmaceutics</i> , 2014, 463, 184-192.	5.2	143
4	An Overview of Biopolymeric Electrospun Nanofibers Based on Polysaccharides for Wound Healing Management. <i>Pharmaceutics</i> , 2020, 12, 983.	4.5	116
5	Synthesis and characterization of a novel controlled release zinc oxide/gentamicin-chitosan composite with potential applications in wounds care. <i>International Journal of Pharmaceutics</i> , 2014, 463, 161-169.	5.2	108
6	Synthesis and characterization of collagen/hydroxyapatite: magnetite composite material for bone cancer treatment. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 2237-2242.	3.6	93
7	Self-assembled collagen/hydroxyapatite composite materials. <i>Chemical Engineering Journal</i> , 2010, 160, 794-800.	12.7	86
8	Biodegradable Alginate Films with ZnO Nanoparticles and Citronella Essential Oil - A Novel Antimicrobial Structure. <i>Pharmaceutics</i> , 2021, 13, 1020.	4.5	85
9	Biohybrid Nanostructured Iron Oxide Nanoparticles and <i>Satureja hortensis</i> to Prevent Fungal Biofilm Development. <i>International Journal of Molecular Sciences</i> , 2013, 14, 18110-18123.	4.1	84
10	Innovative Antimicrobial Chitosan/ZnO/Ag NPs/Citronella Essential Oil Nanocomposite - Potential Coating for Grapes. <i>Foods</i> , 2020, 9, 1801.	4.3	81
11	Recent Advances in Manufacturing Innovative Stents. <i>Pharmaceutics</i> , 2020, 12, 349.	4.5	72
12	Water dispersible cross-linked magnetic chitosan beads for increasing the antimicrobial efficiency of aminoglycoside antibiotics. <i>International Journal of Pharmaceutics</i> , 2013, 454, 233-240.	5.2	67
13	Antibacterial Biodegradable Films Based on Alginate with Silver Nanoparticles and Lemongrass Essential Oil - Innovative Packaging for Cheese. <i>Nanomaterials</i> , 2021, 11, 2377.	4.1	66
14	Collagen-hydroxyapatite/Cisplatin Drug Delivery Systems for Locoregional Treatment of Bone Cancer. <i>Technology in Cancer Research and Treatment</i> , 2013, 12, 275-284.	1.9	65
15	Functionalized antibiofilm thin coatings based on PLA-PVA microspheres loaded with usnic acid natural compounds fabricated by MAPLE. <i>Applied Surface Science</i> , 2014, 302, 262-267.	6.1	64
16	Multifunctional materials for bone cancer treatment. <i>International Journal of Nanomedicine</i> , 2014, 9, 2713.	6.7	64
17	SYNTHESIS AND APPLICATIONS OF Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> CORE-SHELL MATERIALS. <i>Current Pharmaceutical Design</i> , 2015, 21, 5324-5335.	1.9	63
18	Mesoporous Silica Platforms with Potential Applications in Release and Adsorption of Active Agents. <i>Molecules</i> , 2020, 25, 3814.	3.8	62

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19	ZnO Applications and Challenges. <i>Current Organic Chemistry</i> , 2014, 18, 192-203.	1.6	62
20	Hybrid materials based on montmorillonite and citostatic drugs: Preparation and characterization. <i>Applied Clay Science</i> , 2011, 52, 62-68.	5.2	61
21	Electrically Triggered Drug Delivery from Novel Electrospun Poly(Lactic Acid)/Graphene Oxide/Quercetin Fibrous Scaffolds for Wound Dressing Applications. <i>Pharmaceutics</i> , 2021, 13, 957.	4.5	59
22	Magnetite: From Synthesis to Applications. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 1622-1640.	2.1	54
23	Synthesis, characterization and in vitro assessment of the magnetic chitosan-carboxymethylcellulose biocomposite interactions with the prokaryotic and eukaryotic cells. <i>International Journal of Pharmaceutics</i> , 2012, 436, 771-777.	5.2	53
24	Magnetite nanoparticles for functionalized textile dressing to prevent fungal biofilms development. <i>Nanoscale Research Letters</i> , 2012, 7, 501.	5.7	51
25	MAPLE fabricated magnetite@eugenol and (3-hydroxybutyric acid-co-3-hydroxyvaleric acid)-polyvinyl alcohol microspheres coated surfaces with anti-microbial properties. <i>Applied Surface Science</i> , 2014, 306, 16-22.	6.1	51
26	Modified wound dressing with phyto-nanostructured coating to prevent staphylococcal and pseudomonas biofilm development. <i>Nanoscale Research Letters</i> , 2012, 7, 690.	5.7	50
27	Water dispersible magnetite nanoparticles influence the efficacy of antibiotics against planktonic and biofilm embedded <i>Enterococcus faecalis</i> cells. <i>Anaerobe</i> , 2013, 22, 14-19.	2.1	49
28	Chitosan-Based Nanocomposite Polymeric Membranes for Water Purification—A Review. <i>Materials</i> , 2021, 14, 2091.	2.9	48
29	In vitro activity of the new water-dispersible Fe <sub>3</sub> O <sub>4</sub> @usnic acid nanostructure against planktonic and sessile bacterial cells. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	47
30	Chitosan/Graphene Oxide Nanocomposite Membranes as Adsorbents with Applications in Water Purification. <i>Materials</i> , 2020, 13, 1687.	2.9	46
31	Usnic acid-loaded biocompatible magnetic PLGA-PVA microsphere thin films fabricated by MAPLE with increased resistance to staphylococcal colonization. <i>Biofabrication</i> , 2014, 6, 035002.	7.1	45
32	Silver Based Materials for Biomedical Applications. <i>Current Organic Chemistry</i> , 2014, 18, 173-184.	1.6	45
33	Zinc Oxide Nanoparticles for Water Purification. <i>Materials</i> , 2021, 14, 4747.	2.9	44
34	Collagen hydrolysate based collagen/hydroxyapatite composite materials. <i>Journal of Molecular Structure</i> , 2013, 1037, 154-159.	3.6	43
35	Optimized Synthesis Approaches of Metal Nanoparticles with Antimicrobial Applications. <i>Journal of Nanomaterials</i> , 2020, 2020, 1-14.	2.7	42
36	Antibacterial Activity of Bacterial Cellulose Loaded with Bacitracin and Amoxicillin: In Vitro Studies. <i>Molecules</i> , 2020, 25, 4069.	3.8	41

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37	Antimicrobial Chitosan based Formulations with Impact on Different Biomedical Applications. <i>Current Pharmaceutical Biotechnology</i> , 2015, 16, 128-136.	1.6	41
38	New Collagen-Dextran-Zinc Oxide Composites for Wound Dressing. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-7.	2.7	40
39	Melissa officinalis: Composition, Pharmacological Effects and Derived Release Systems – A Review. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3591.	4.1	39
40	Advances in Osteoporotic Bone Tissue Engineering. <i>Journal of Clinical Medicine</i> , 2021, 10, 253.	2.4	38
41	Synthesis and characterization of COLL – PVA/HA hybrid materials with stratified morphology. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 81, 614-619.	5.0	36
42	Controlling the Degradation Rate of Biodegradable Mg – Zn-Mn Alloys for Orthopedic Applications by Electrophoretic Deposition of Hydroxyapatite Coating. <i>Materials</i> , 2020, 13, 263.	2.9	36
43	Collagen/hydroxyapatite composite obtained by electric field orientation. <i>Materials Letters</i> , 2010, 64, 541-544.	2.6	34
44	Smart Food Packaging Designed by Nanotechnological and Drug Delivery Approaches. <i>Coatings</i> , 2020, 10, 806.	2.6	34
45	3D Propolis-Sodium Alginate Scaffolds: Influence on Structural Parameters, Release Mechanisms, Cell Cytotoxicity and Antibacterial Activity. <i>Molecules</i> , 2020, 25, 5082.	3.8	34
46	The influence of collagen support and ionic species on the morphology of collagen/hydroxyapatite composite materials. <i>Materials Characterization</i> , 2010, 61, 402-407.	4.4	33
47	Sintering effects of mullite-doping on mechanical properties of bovine hydroxyapatite. <i>Materials Science and Engineering C</i> , 2017, 77, 470-475.	7.3	33
48	Electrospun Polyethylene Terephthalate Nanofibers Loaded with Silver Nanoparticles: Novel Approach in Anti-Infective Therapy. <i>Journal of Clinical Medicine</i> , 2019, 8, 1039.	2.4	33
49	Fabrication, characterization and in vitro profile based interaction with eukaryotic and prokaryotic cells of alginate – chitosan – silica biocomposite. <i>International Journal of Pharmaceutics</i> , 2013, 441, 555-561.	5.2	32
50	Kinetic Release Studies of Antibiotic Patches for Local Transdermal Delivery. <i>Pharmaceutics</i> , 2021, 13, 613.	4.5	32
51	Nanostructured Fibers Containing Natural or Synthetic Bioactive Compounds in Wound Dressing Applications. <i>Materials</i> , 2020, 13, 2407.	2.9	31
52	Propolis-Based Nanofiber Patches to Repair Corneal Microbial Keratitis. <i>Molecules</i> , 2021, 26, 2577.	3.8	31
53	Synthesis and characterization of new composite materials based on poly(methacrylic acid) and hydroxyapatite with applications in dentistry. <i>International Journal of Pharmaceutics</i> , 2016, 510, 516-523.	5.2	30
54	Metal Oxide Nanoparticles: Potential Uses in Biomedical Applications. <i>Current Proteomics</i> , 2014, 11, 139-149.	0.3	30

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55	Bioactive Glass—An Extensive Study of the Preparation and Coating Methods. <i>Coatings</i> , 2021, 11, 1386.	2.6	30
56	Collagen/hydroxyapatite bone grafts manufactured by homogeneous/heterogeneous 3D printing. <i>Materials Letters</i> , 2018, 231, 179-182.	2.6	29
57	Applications of mesoporous silica in biosensing and controlled release of insulin. <i>International Journal of Pharmaceutics</i> , 2018, 549, 179-200.	5.2	28
58	Surface evaluation of titanium oxynitride coatings used for developing layered cardiovascular stents. <i>Materials Science and Engineering C</i> , 2019, 99, 405-416.	7.3	28
59	Polycaprolactone/Gelatin/Hyaluronic Acid Electrospun Scaffolds to Mimic Glioblastoma Extracellular Matrix. <i>Materials</i> , 2020, 13, 2661.	2.9	27
60	Molecular Mechanism and Targets of the Antimicrobial Activity of Metal Nanoparticles. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 1583-1588.	2.1	27
61	Nano-Hydroxyapatite vs. Xenografts: Synthesis, Characterization, and In Vitro Behavior. <i>Nanomaterials</i> , 2021, 11, 2289.	4.1	26
62	Inorganic Nanoparticles in Bone Healing Applications. <i>Pharmaceutics</i> , 2022, 14, 770.	4.5	26
63	Composite Scaffolds Based on Silver Nanoparticles for Biomedical Applications. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-8.	2.7	25
64	Fabrication of magnetite-based core-shell coated nanoparticles with antibacterial properties. <i>Biofabrication</i> , 2015, 7, 015014.	7.1	25
65	Influence of nanometric silicon carbide on phenolic resin composites properties. <i>Bulletin of Materials Science</i> , 2016, 39, 769-775.	1.7	25
66	Synthesis and characterization of hybrid PVA/Al <sub>2</sub> O <sub>3</sub> thin film. <i>Materials Letters</i> , 2012, 74, 132-136.	2.6	24
67	MAPLE deposition of Nigella sativa functionalized Fe <sub>3</sub> O <sub>4</sub> nanoparticles for antimicrobial coatings. <i>Applied Surface Science</i> , 2018, 455, 513-521.	6.1	24
68	Mechanical and Biocompatibility Properties of Calcium Phosphate Bioceramics Derived from Salmon Fish Bone Wastes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8082.	4.1	24
69	Layer by layer deposition of hydroxyapatite onto the collagen matrix. <i>Materials Science and Engineering C</i> , 2009, 29, 2217-2220.	7.3	23
70	Antibiofilm Coatings Based on PLGA and Nanostructured Cefepime-Functionalized Magnetite. <i>Nanomaterials</i> , 2018, 8, 633.	4.1	23
71	Evaluation and Exploitation of Bioactive Compounds of Walnut, <i>Juglans regia</i> . <i>Current Pharmaceutical Design</i> , 2019, 25, 119-131.	1.9	23
72	Multifunctional Platforms Based on Graphene Oxide and Natural Products. <i>Medicina (Lithuania)</i> , 2019, 55, 230.	2.0	23

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73	Collagen-Carboxymethylcellulose Biocomposite Wound-Dressings with Antimicrobial Activity. <i>Materials</i> , 2021, 14, 1153.	2.9	22
74	New silica nanostructure for the improved delivery of topical antibiotics used in the treatment of staphylococcal cutaneous infections. <i>International Journal of Pharmaceutics</i> , 2014, 463, 170-176.	5.2	21
75	Magnetite-Silica Core/Shell Nanostructures: From Surface Functionalization towards Biomedical Applications—A Review. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11075.	2.5	20
76	Comparative Antimicrobial Activity of Silver Nanoparticles Obtained by Wet Chemical Reduction and Solvothermal Methods. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5982.	4.1	20
77	Gamma-cyclodextrin/usnic acid thin film fabricated by MAPLE for improving the resistance of medical surfaces to <i>Staphylococcus aureus</i> colonization. <i>Applied Surface Science</i> , 2015, 336, 407-412.	6.1	19
78	Development of Stabilized Magnetite Nanoparticles for Medical Applications. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-9.	2.7	18
79	Production, Optimization and Characterization of Polylactic Acid Microparticles Using Electrospray with Porous Structure. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5090.	2.5	18
80	Novel Graphene Oxide/Quercetin and Graphene Oxide/Juglone Nanostructured Platforms as Effective Drug Delivery Systems with Biomedical Applications. <i>Nanomaterials</i> , 2022, 12, 1943.	4.1	18
81	Collagen/hydroxyapatite composite materials with desired ceramic properties. <i>Journal of Electron Microscopy</i> , 2011, 60, 253-259.	0.9	17
82	Biocompatible Magnetic Hollow Silica Microspheres for Drug Delivery. <i>Current Organic Chemistry</i> , 2013, 17, 1029-1033.	1.6	17
83	Levodopa-Loaded 3D-Printed Poly (Lactic) Acid/Chitosan Neural Tissue Scaffold as a Promising Drug Delivery System for the Treatment of Parkinson's Disease. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10727.	2.5	17
84	Mesoporous Silica Materials Loaded with Gallic Acid with Antimicrobial Potential. <i>Nanomaterials</i> , 2022, 12, 1648.	4.1	17
85	Fabrication of natural pumice/hydroxyapatite composite for biomedical engineering. <i>BioMedical Engineering OnLine</i> , 2016, 15, 81.	2.7	16
86	New composite materials based on alginate and hydroxyapatite as potential carriers for ascorbic acid. <i>International Journal of Pharmaceutics</i> , 2016, 510, 501-507.	5.2	16
87	Mesoporous Materials Used in Medicine and Environmental Applications. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 1501-1515.	2.1	16
88	MAPLE fabricated coatings based on magnetite nanoparticles embedded into biopolymeric spheres resistant to microbial colonization. <i>Applied Surface Science</i> , 2018, 448, 230-236.	6.1	15
89	Controlled Release of Metformin Hydrochloride from Core-Shell Nanofibers with Fish Sarcoplasmic Protein. <i>Medicina (Lithuania)</i> , 2019, 55, 682.	2.0	15
90	Profiling of Phenolic Compounds and Triterpene Acids of Twelve Apple ( <i>Malus domestica</i> Borkh.) Cultivars. <i>Foods</i> , 2021, 10, 267.	4.3	15

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91	Bee Pollen Extracts: Chemical Composition, Antioxidant Properties, and Effect on the Growth of Selected Probiotic and Pathogenic Bacteria. <i>Antioxidants</i> , 2022, 11, 959.	5.1	15
92	Biomimetic Collagen/Zn <sup>2+</sup> -Substituted Calcium Phosphate Composite Coatings on Titanium Substrates as Prospective Bioactive Layer for Implants: A Comparative Study Spin Coating vs. MAPLE. <i>Nanomaterials</i> , 2019, 9, 692.	4.1	14
93	New approaches in layer by layer synthesis of collagen/hydroxyapatite composite materials. <i>Open Chemistry</i> , 2011, 9, 283-289.	1.9	13
94	Caprolactam-silica network, a strong potentiator of the antimicrobial activity of kanamycin against Gram-positive and Gram-negative bacterial strains. <i>International Journal of Pharmaceutics</i> , 2013, 446, 63-69.	5.2	13
95	Antitumoral materials with regenerative function obtained using a layer-by-layer technique. <i>Drug Design, Development and Therapy</i> , 2015, 9, 1269.	4.3	13
96	Advances in Drug Delivery Systems, from 0 to 3D superstructures. <i>Current Drug Targets</i> , 2018, 19, 393-405.	2.1	13
97	Novel hydrogels based on collagen and ZnO nanoparticles with antibacterial activity for improved wound dressings. <i>Romanian Biotechnological Letters</i> , 2019, 24, 317-323.	0.5	13
98	Advances in Collagen/Hydroxyapatite Composite Materials. , 0, , .		13
99	Design and characterization of polypropylene matrix/glass fibers composite materials. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	12
100	Antimicrobial Films based on Chitosan, Collagen, and ZnO for Skin Tissue Regeneration. <i>Biointerface Research in Applied Chemistry</i> , 2021, 11, 11985-11995.	1.0	12
101	Fabrication and characterization of functionalized surfaces with 3-amino propyltrimethoxysilane films for anti-infective therapy applications. <i>Applied Surface Science</i> , 2015, 336, 401-406.	6.1	10
102	Polyamide/Polypropylene/graphene oxide nanocomposites with functional compatibilizers: Morpho-structural and physico-mechanical characterization. <i>Procedia Structural Integrity</i> , 2017, 5, 675-682.	0.8	10
103	Surface Modification of Poly(Vinylchloride) for Manufacturing Advanced Catheters. <i>Current Medicinal Chemistry</i> , 2020, 27, 1616-1633.	2.4	10
104	Carboxymethyl-cellulose/Fe <sub>3</sub> O <sub>4</sub> nanostructures for antimicrobial substances delivery. <i>Bio-Medical Materials and Engineering</i> , 2014, 24, 1639-1646.	0.6	9
105	Production and Characterization of Antimicrobial Electrospun Nanofibers Containing Polyurethane, Zirconium Oxide and Zeolite. <i>BioNanoScience</i> , 2018, 8, 154-165.	3.5	9
106	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. <i>Microchemical Journal</i> , 2021, 169, 106573.	4.5	9
107	Drug Delivery Systems for Dental Applications. <i>Current Organic Chemistry</i> , 2016, 21, 64-73.	1.6	9
108	Antimicrobial coatings "obtaining and characterization. <i>Bulletin of Materials Science</i> , 2013, 36, 183-188.	1.7	8

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109	Tetracycline Loaded Collagen/Hydroxyapatite Composite Materials for Biomedical Applications. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-5.	2.7	8
110	Chitosan/poly(ethylene glycol)/hyaluronic acid biocompatible patches obtained by electrospraying. <i>Biomedical Materials (Bristol)</i> , 2018, 13, 055011.	3.3	8
111	Functionalized Magnetic Nanostructures for Anticancer Therapy. <i>Current Drug Targets</i> , 2018, 19, 239-247.	2.1	8
112	Electrospun nanofibers for tissue engineering applications. , 2019, , 77-95.		8
113	Simple and dual cross-linked chitosan millicapsules as a particulate support for cell culture. <i>International Journal of Biological Macromolecules</i> , 2020, 143, 200-212.	7.5	8
114	MAGNETIC CORE SHELL STRUCTURES: from 0D to 1D assembling. <i>Current Pharmaceutical Design</i> , 2015, 21, 5301-5311.	1.9	8
115	Wound Dressing Based Collagen Biomaterials Containing Usnic Acid as Quorum Sensing Inhibitor Agent: Synthesis, Characterization and Bioevaluation. <i>Current Organic Chemistry</i> , 2013, 17, 125-131.	1.6	8
116	Bone - Graft Delivery Systems of Type PLGA- gentamicin and Collagen - hydroxyapatite - gentamicine. <i>Materiale Plastice</i> , 2019, 56, 534-527.	0.8	8
117	Synthesis and Characterization of Mesoporous Magnetite Based Nanoparticles. <i>Current Nanoscience</i> , 2012, 8, 875-879.	1.2	7
118	Synthesis, characterization and bioevaluation of irinotecan-collagen hybrid materials for biomedical applications as drug delivery systems in tumoral treatments. <i>Open Chemistry</i> , 2013, 11, 2134-2143.	1.9	7
119	Plasmon-Enhanced Photoresponse of Self-Powered Si Nanoholes Photodetector by Metal Nanowires. <i>Nanomaterials</i> , 2021, 11, 2460.	4.1	7
120	Nanostructured Biomaterials with Antimicrobial Properties. <i>Current Medicinal Chemistry</i> , 2014, 21, 3391-3404.	2.4	7
121	Multifunctional Materials for Cancer Therapy: From Antitumoral Agents to Innovative Administration. <i>Current Organic Chemistry</i> , 2016, 20, 2934-2948.	1.6	7
122	Synthesis and Characterization of Magnetite-Polysulfone Micro- and Nanobeads with Improved Chemical Stability in Acidic Media. <i>Current Nanoscience</i> , 2013, 9, 271-277.	1.2	7
123	Biocompatible hydrodispersible magnetite nanoparticles used as antibiotic drug carriers. <i>Romanian Journal of Morphology and Embryology</i> , 2015, 56, 365-70.	0.8	7
124	Structural features and nitrogen positions in titanium oxynitride films grown in plasma of magnetron discharge. <i>Journal of Physics: Conference Series</i> , 2019, 1281, 012062.	0.4	6
125	Successful Release of Voriconazole and Flavonoids from MAPLE Deposited Bioactive Surfaces. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 786.	2.5	6
126	Improvement of antibacterial and biocompatibility properties of electrospray biopolymer films by ZnO and MCM-41. <i>Polymer Bulletin</i> , 2020, 77, 3657-3675.	3.3	6



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127	New O-Aryl-Carbamoyl-Oxymino-Fluorene Derivatives with MI-Crobicidal and Antibiofilm Activity Enhanced by Combination with Iron Oxide Nanoparticles. <i>Molecules</i> , 2021, 26, 3002.	3.8	6
128	Antitumor Activity of Magnetite Nanoparticles: Influence of Hydrocarbonated Chain of Saturated Aliphatic Monocarboxylic Acids. <i>Current Organic Chemistry</i> , 2013, 17, 831-840.	1.6	6
129	Hybrid Magnetic Nanostructures For Cancer Diagnosis And Therapy. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2019, 19, 6-16.	1.7	6
130	Manufacturing nanostructured chitosan-based 2D sheets with prolonged antimicrobial activity. <i>Romanian Journal of Morphology and Embryology</i> , 2018, 59, 517-525.	0.8	6
131	Fabrication of Electrospun Juglans regia (Juglone) Loaded Poly(lactic acid) Scaffolds as a Potential Wound Dressing Material. <i>Polymers</i> , 2022, 14, 1971.	4.5	6
132	Mimicking the morphology of long bone. <i>Open Chemistry</i> , 2012, 10, 1949-1953.	1.9	5
133	Alginate and Sulfanilamide Based DDS with Antibacterial Activity. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2014, 63, 92-96.	3.4	5
134	Advances in Cancer Treatment: Role of Nanoparticles. , 0, , .		5
135	Soft tissue engineering and microbial infections. , 2016, , 1-29.		5
136	Advances in the field of soft tissue engineering. , 2016, , 355-386.		5
137	Acrylic polymer influence on the structure and morphology of AgNPs obtained by chemical method for antimicrobial applications. <i>Journal of Coatings Technology Research</i> , 2016, 13, 53-61.	2.5	5
138	Non-invasive microanalysis of a written page from the Romanian heritage –The Homiliary of Varlaam (Cazania lui Varlaam) –. <i>Microchemical Journal</i> , 2021, 168, 106345.	4.5	5
139	Characterization of Cu/Ag/Eu/Hydroxyapatite Composites Produced by Wet Chemical Precipitation. <i>Acta Physica Polonica A</i> , 2017, 131, 392-396.	0.5	5
140	Physical Characterization of Turbot (Psetta Maxima) Originated Natural Hydroxyapatite. <i>Acta Physica Polonica A</i> , 2017, 131, 397-400.	0.5	5
141	SPONGIOUS FILLERS BASED ON COLLAGEN – HYDROXYAPATITE – EUGENOL ACETATE WITH THERAPEUTIC POTENTIAL IN BONE CANCER. <i>Farmacia</i> , 2020, 68, 313-321.	0.4	5
142	High temperature superconducting materials based on Graphene / YBCO nanocomposite. <i>Materials Today: Proceedings</i> , 2016, 3, 2628-2634.	1.8	4
143	Nanotechnology: a challenge in hard tissue engineering with emphasis on bone cancer therapy. , 2017, , 513-539.		4
144	Mechanical properties of polyamide/carbon-fiber-fabric composites. <i>Materiali in Tehnologije</i> , 2016, 50, 723-728.	0.5	4

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145	Prosthetic Devices with Functionalized Anti-biofilm Surface Based NanoAg@C18. <i>Current Organic Chemistry</i> , 2013, 17, 105-112.	1.6	4
146	Mechanical and tribological properties of nanofilled phenolic-matrix laminated composites. <i>Materiali in Tehnologije</i> , 2017, 51, 569-575.	0.5	4
147	From Biomedical Applications of Alginate towards CVD Implications Linked to COVID-19. <i>Pharmaceuticals</i> , 2022, 15, 318.	3.8	4
148	Can European Sea Bass ( <i>Dicentrarchus labrax</i> ) Scale Be a Good Candidate for Nano-Bioceramics Production?. <i>Key Engineering Materials</i> , 2016, 696, 60-65.	0.4	3
149	Polymer nanocomposites PE/PE-g-MA/EPDM/nanoZnO and TiO <sub>2</sub> dynamically crosslinked with sulphur and accelerators. <i>Procedia Structural Integrity</i> , 2017, 5, 667-674.	0.8	3
150	Advanced Drug-Eluting Poly (Vinyl Chloride) Surfaces Deposited by Spin Coating. <i>Medicina (Lithuania)</i> , 2019, 55, 421.	2.0	3
151	Evaluation of in Vitro Corrosion Behavior of Titanium Oxynitride Coated Stainless Steel Stents. <i>IEEE Access</i> , 2021, 9, 59766-59782.	4.2	3
152	Incorporation of Silver Nanoparticles in Film Forming Materials for Long Term Antimicrobial Action. <i>Current Nanoscience</i> , 2015, 11, 760-769.	1.2	3
153	Biohydrogels for medical applications: A short review. <i>Organic Communications</i> , 2018, 11", 123-141.	0.8	3
154	Multifunctional materials such as MCM-41-Fe <sub>3</sub> O <sub>4</sub> -folic acid as drug delivery system. <i>Romanian Journal of Morphology and Embryology</i> , 2016, 57, 483-9.	0.8	3
155	Microelectromechanical Systems Based on Magnetic Polymer Films. <i>Micromachines</i> , 2022, 13, 351.	2.9	3
156	Antioxidative Defense and Gut Microbial Changes under Pollution Stress in <i>Carassius gibelio</i> from Bucharest Lakes. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 7510.	2.6	3
157	Antimicrobial Properties of TiO <sub>2</sub> Microparticles Coated with Ca- and Cu-Based Composite Layers. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6888.	4.1	3
158	Structural and characterisation analysis of zinc-substituted hydroxyapatite with wet chemical precipitation method. <i>International Journal of Nano and Biomaterials</i> , 2016, 6, 188.	0.1	2
159	Extended release of vitamins from magnetite loaded polyanionic polymeric beads. <i>International Journal of Pharmaceutics</i> , 2016, 510, 457-464.	5.2	2
160	Synthesis of TiO <sub>2</sub> doped selenium nanoparticles using herbal turmeric powders coating on cotton fabric for antibacterial. <i>Journal of Physics: Conference Series</i> , 2018, 1144, 012008.	0.4	2
161	Triggering Factors in Drug Delivery Devices. <i>Current Pharmaceutical Design</i> , 2019, 25, 107-108.	1.9	2
162	Composite P(3HB-3HV)-CS Spheres for Enhanced Antibiotic Efficiency. <i>Polymers</i> , 2021, 13, 989.	4.5	2

#	ARTICLE	IF	CITATIONS
163	Trends in Materials Science for Ligament Reconstruction. Current Stem Cell Research and Therapy, 2016, 12, 145-154.	1.3	2
164	Titanium Oxynitride Coatings Deposited By Magnetron Sputtering For Improvement Of Cardiovascular Stent Design. , 0, , .		2
165	Editorial (Thematic Issue: Engineered Magnetic Core@Shell Structures). Current Pharmaceutical Design, 2015, 21, 5299-5300.	1.9	1
166	Prevention of biofilm formation by material modification. , 2017, , 159-180.		1
167	Zinc Oxide Nanostructures. , 2017, , 503-514.		1
168	Recent advances in using magnetic materials for environmental applications. , 2017, , 1-32.		1
169	The Role of Susceptors in the Process of, Obtaining Nanopowders Using Microwaves. , 2019, , .		1
170	New Challenges in Cancer Treatment, from Novel Agents to Innovative Administration. Anti-Cancer Agents in Medicinal Chemistry, 2019, 19, 4-5.	1.7	1
171	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	1
172	The use of microwaves in the process of obtaining nanopowders. Journal of Microwave Power and Electromagnetic Energy, 0, , 1-20.	0.8	1
173	Collagen/Hydroxyapatite Composite Supports for Bone Tissue Engineering. , 0, , .		1
174	Multi-walled carbon nanotubes effect in polypropylene nanocomposites. Materiali in Tehnologije, 2016, 50, .	0.5	1
175	Polymer Nanocomposites PE / PE-g-MA / EPDM / Nano ZnO Dynamically Vulcanized with Peroxide. , 2016, , .		1
176	The Influence of EVA and PE-g-AM Compatibilizers on the Processability, Mechanical and Structural Properties of Recycled PET / HDPE Mix. , 2018, , .		1
177	Soil Burial Biodegradation of PLA/Hydrolysed Collagen/Silver Nanoparticles Bionanocomposites. Revista De Chimie (discontinued), 2020, 71, 128-135.	0.4	1
178	Single Step Synthesis of Glutamic/tartaric Acid-stabilised Fe <sub>3</sub> O <sub>4</sub> Nanoparticles for Targeted Delivery Systems. Revista De Chimie (discontinued), 2020, 71, 230-238.	0.4	1
179	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.	0.9	0
180	Nanotechnology in dentistry. , 2016, , 187-210.		0

#	ARTICLE	IF	CITATIONS
181	Editorial: Smart Drug Delivery Systems (Part 1). Current Drug Targets, 2018, 19, 201.	2.1	0
182	Editorial: Smart Drug Delivery Systems (Part 2). Current Drug Targets, 2018, 19, 299-299.	2.1	0
183	Antibiotic Incidence, Distribution and Resistance in Wastewaters. Proceedings (mdpi), 2019, 29, .	0.2	0
184	Obtaining SiO <sub>2</sub> Nanopowders Using Microwave Field Processing. , 2019, , .		0
185	Nanoarchitectonics prepared by laser processing and their biomedical applications. , 2019, , 23-53.		0
186	The Antibacterial Action of Various Silver Nanoparticles Used for the Stone Treatment. Proceedings (mdpi), 2020, 57, .	0.2	0
187	Design and Performances of Medical Devices: From Bulk to Surface Modification. Current Medicinal Chemistry, 2020, 27, 1579-1579.	2.4	0
188	Structural and characterisation analysis of zinc-substituted hydroxyapatite with wet chemical precipitation method. International Journal of Nano and Biomaterials, 2016, 6, 188.	0.1	0
189	MCM41/Fe <sub>3</sub> O <sub>4</sub> /EDTA Materials from Removal Different Cation from Waste Water. , 0, , .		0
190	The Effect of the Functionalizing Agent Type on Processability, Mechanical and Thermal Properties of Polypropylene-Based Composites. , 2016, , .		0
191	Design of TiO <sub>x</sub> N <sub>y</sub> for Developing Layered Stent Technology. , 0, , .		0
192	Harnessing PET Wastes by Compounding with Functionalized Flax. , 0, , .		0
193	THE INFLUENCE OF FUNCTIONALIZING AGENTS ON THE PROPERTIES OF FIBREGLASS POLYMER COMPOSITES. , 2017, , .		0
194	Design of TiO <sub>x</sub> N <sub>y</sub> for Coating Technology. , 0, , .		0
195	ANTIBACTERIAL POLYMERIC NANOCOMPOSITES BASED ON PVC AND FUNCTIONALIZED TiO <sub>2</sub> NANOPARTICLES WITH APPLICATION IN THE MEDICAL AND FOOD INDUSTRIES. , 2018, , .		0
196	Collagen/Hydroxyapatite Bio-Compatible Scaffolds Obtained Through 3D Printing. , 0, , .		0
197	Polypropylene/Polyamide/Carbon Fibres Nanocomposites: Processing “ Morphology “ Property Relationships. , 0, , .		0
198	Polyamide/polyethylene/graphite nanocomposites: development and morpho-structural and physical-mechanical characterisation. Leather and Footwear Journal, 2018, 18, 231-238.	0.2	0

#	ARTICLE	IF	CITATIONS
199	Identifying the Optimum Method for Modifying the Zinc Oxide Surface in order to Obtain a High Deposit Degree of the Functioning Agent. , 2018, , .		0
200	Polyamide/Polypropylene/Graphite Nanocomposites with Functional Compatibilizers. , 2018, , .		0
201	Influence of adding functionalized microparticles on the physical-mechanical, structural, and processability properties of thermoplastic rubber. Leather and Footwear Journal, 2019, 19, 29-40.	0.2	0
202	Smart Alginate-Based Magnetic Platforms for Drug Delivery. , 0, , .		0
203	Drug Delivery Platforms for Cardiovascular Applications Based on Alginate-Based Hollow Structures. , 0, , .		0
204	PHYSICO-CHEMICAL CHARACTERIZATION AND ANTIBACTERIAL ACTIVITY OF A CONTROLLED COLLAGEN-HYDROXYAPATITE-CIPROFLOXACIN RELEASE SYSTEM. Farmacia, 2020, 68, 1055-1061.	0.4	0
205	Biogenic synthesis of silver nanoparticles using sea buckthorn fruits aqueous extract and antibacterial activity against Staphylococcus aureus and Pseudomonas aeruginosa. , 2020, , .		0
206	Mesoporous Silica Systems Loaded with Polyphenols. , 2022, 7, .		0
207	Porous Materials as Platforms for the Delivery of Polyphenols. , 2022, 7, .		0
208	Organometallic Compounds and Metal Complexes in Cancer Therapy. , 2022, 7, .		0