

Anton Ficai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3246300/publications.pdf>

Version: 2024-02-01

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	Microelectromechanical Systems Based on Magnetic Polymer Films. <i>Micromachines</i> , 2022, 13, 351.	2.9	3
2	Mesoporous Silica Systems Loaded with Polyphenols. , 2022, 7, .		0
3	Melissa officinalis: Composition, Pharmacological Effects and Derived Release Systemsâ€™A Review. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3591.	4.1	39
4	Inorganic Nanoparticles in Bone Healing Applications. <i>Pharmaceutics</i> , 2022, 14, 770.	4.5	26
5	From Biomedical Applications of Alginate towards CVD Implications Linked to COVID-19. <i>Pharmaceutics</i> , 2022, 15, 318.	3.8	4
6	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
7	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
8	Mesoporous Silica Materials Loaded with Gallic Acid with Antimicrobial Potential. <i>Nanomaterials</i> , 2022, 12, 1648.	4.1	17
9	Porous Materials as Platforms for the Delivery of Polyphenols. , 2022, 7, .		0
10	Organometallic Compounds and Metal Complexes in Cancer Therapy. , 2022, 7, .		0
11	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
12	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
13	Antimicrobial Properties of TiO ₂ Microparticles Coated with Ca- and Cu-Based Composite Layers. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6888.	4.1	3
14	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
15	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
16	Evaluation of in Vitro Corrosion Behavior of Titanium Oxynitride Coated Stainless Steel Stents. <i>IEEE Access</i> , 2021, 9, 59766-59782.	4.2	3
17	Advances in Osteoporotic Bone Tissue Engineering. <i>Journal of Clinical Medicine</i> , 2021, 10, 253.	2.4	38
18	Collagen-Carboxymethylcellulose Biocomposite Wound-Dressings with Antimicrobial Activity. <i>Materials</i> , 2021, 14, 1153.	2.9	22

#	ARTICLE	IF	CITATIONS
19	Composite P(3HB-3HV)-CS Spheres for Enhanced Antibiotic Efficiency. <i>Polymers</i> , 2021, 13, 989.	4.5	2
20	Kinetic Release Studies of Antibiotic Patches for Local Transdermal Delivery. <i>Pharmaceutics</i> , 2021, 13, 613.	4.5	32
21	Chitosan-Based Nanocomposite Polymeric Membranes for Water Purification—A Review. <i>Materials</i> , 2021, 14, 2091.	2.9	48
22	Propolis-Based Nanofiber Patches to Repair Corneal Microbial Keratitis. <i>Molecules</i> , 2021, 26, 2577.	3.8	31
23	Production, Optimization and Characterization of Polylactic Acid Microparticles Using Electrospray with Porous Structure. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5090.	2.5	18
24	New O-Aryl-Carbamoyl-Oxymino-Fluorene Derivatives with MI-Crocidal and Antibiofilm Activity Enhanced by Combination with Iron Oxide Nanoparticles. <i>Molecules</i> , 2021, 26, 3002.	3.8	6
25	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
26	Biodegradable Alginate Films with ZnO Nanoparticles and Citronella Essential Oil—A Novel Antimicrobial Structure. <i>Pharmaceutics</i> , 2021, 13, 1020.	4.5	85
27	Zinc Oxide Nanoparticles for Water Purification. <i>Materials</i> , 2021, 14, 4747.	2.9	44
28	Nano-Hydroxyapatite vs. Xenografts: Synthesis, Characterization, and In Vitro Behavior. <i>Nanomaterials</i> , 2021, 11, 2289.	4.1	26
29	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
30	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
31	Plasmon-Enhanced Photoresponse of Self-Powered Si Nanoholes Photodetector by Metal Nanowires. <i>Nanomaterials</i> , 2021, 11, 2460.	4.1	7
32	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
33	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
34	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
35	Magnetite-Silica Core/Shell Nanostructures: From Surface Functionalization towards Biomedical Applications—A Review. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11075.	2.5	20
36	Bioactive Glass—An Extensive Study of the Preparation and Coating Methods. <i>Coatings</i> , 2021, 11, 1386.	2.6	30

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	Biodegradable Antimicrobial Food Packaging: Trends and Perspectives. <i>Foods</i> , 2020, 9, 1438.	4.3	179
40	An Overview of Biopolymeric Electrospun Nanofibers Based on Polysaccharides for Wound Healing Management. <i>Pharmaceutics</i> , 2020, 12, 983.	4.5	116
41	The Antibacterial Action of Various Silver Nanoparticles Used for the Stone Treatment. <i>Proceedings (mdpi)</i> , 2020, 57, .	0.2	0
42	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
43	Mesoporous Silica Platforms with Potential Applications in Release and Adsorption of Active Agents. <i>Molecules</i> , 2020, 25, 3814.	3.8	62
44	Smart Food Packaging Designed by Nanotechnological and Drug Delivery Approaches. <i>Coatings</i> , 2020, 10, 806.	2.6	34
45	Antibacterial Activity of Bacterial Cellulose Loaded with Bacitracin and Amoxicillin: In Vitro Studies. <i>Molecules</i> , 2020, 25, 4069.	3.8	41
46	Innovative Antimicrobial Chitosan/ZnO/Ag NPs/Citronella Essential Oil Nanocomposite – Potential Coating for Grapes. <i>Foods</i> , 2020, 9, 1801.	4.3	81
47	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
48	Nanostructured Fibers Containing Natural or Synthetic Bioactive Compounds in Wound Dressing Applications. <i>Materials</i> , 2020, 13, 2407.	2.9	31
49	Polycaprolactone/Gelatin/Hyaluronic Acid Electrospun Scaffolds to Mimic Glioblastoma Extracellular Matrix. <i>Materials</i> , 2020, 13, 2661.	2.9	27
50	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
51	Recent Advances in Manufacturing Innovative Stents. <i>Pharmaceutics</i> , 2020, 12, 349.	4.5	72
52	Design and Performances of Medical Devices: From Bulk to Surface Modification. <i>Current Medicinal Chemistry</i> , 2020, 27, 1579-1579.	2.4	0
53	Chitosan/Graphene Oxide Nanocomposite Membranes as Adsorbents with Applications in Water Purification. <i>Materials</i> , 2020, 13, 1687.	2.9	46
54	Optimized Synthesis Approaches of Metal Nanoparticles with Antimicrobial Applications. <i>Journal of Nanomaterials</i> , 2020, 2020, 1-14.	2.7	42

#	ARTICLE	IF	CITATIONS
55	Surface Modification of Poly(Vinylchloride) for Manufacturing Advanced Catheters. <i>Current Medicinal Chemistry</i> , 2020, 27, 1616-1633.	2.4	10
56	SPONGIOUS FILLERS BASED ON COLLAGEN " HYDROXYAPATITE " EUGENOL ACETATE WITH THERAPEUTIC POTENTIAL IN BONE CANCER. <i>Farmacia</i> , 2020, 68, 313-321.	0.4	5
57	Soil Burial Biodegradation of PLA/Hydrolysed Collagen/Silver Nanoparticles Bionanocomposites. <i>Revista De Chimie (discontinued)</i> , 2020, 71, 128-135.	0.4	1
58	PHYSICO-CHEMICAL CHARACTERIZATION AND ANTIBACTERIAL ACTIVITY OF A CONTROLLED COLLAGEN-HYDROXYAPATITE-CIPROFLOXACIN RELEASE SYSTEM. <i>Farmacia</i> , 2020, 68, 1055-1061.	0.4	0
59	Single Step Synthesis of Glutamic/tartaric Acid-stabilised Fe ₃ O ₄ Nanoparticles for Targeted Delivery Systems. <i>Revista De Chimie (discontinued)</i> , 2020, 71, 230-238.	0.4	1
60	Biogenic synthesis of silver nanoparticles using sea buckthorn fruits aqueous extract and antibacterial activity against <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> . , 2020, , .		0
61	Advanced Drug-Eluting Poly (Vinyl Chloride) Surfaces Deposited by Spin Coating. <i>Medicina (Lithuania)</i> , 2019, 55, 421.	2.0	3
62	Evaluation and Exploitation of Bioactive Compounds of Walnut, <i>Juglans regia</i> . <i>Current Pharmaceutical Design</i> , 2019, 25, 119-131.	1.9	23
63	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
64	Controlled Release of Metformin Hydrochloride from Core-Shell Nanofibers with Fish Sarcoplasmic Protein. <i>Medicina (Lithuania)</i> , 2019, 55, 682.	2.0	15
65	Antibiotic Incidence, Distribution and Resistance in Wastewaters. <i>Proceedings (mdpi)</i> , 2019, 29, .	0.2	0
66	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
67	Obtaining SiO ₂ Nanopowders Using Microwave Field Processing. , 2019, , .		0
68	The Role of Susceptors in the Process of, Obtaining Nanopowders Using Microwaves. , 2019, , .		1
69	Triggering Factors in Drug Delivery Devices. <i>Current Pharmaceutical Design</i> , 2019, 25, 107-108.	1.9	2
70	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
71	Multifunctional Platforms Based on Graphene Oxide and Natural Products. <i>Medicina (Lithuania)</i> , 2019, 55, 230.	2.0	23
72	Nanoarchitectonics prepared by laser processing and their biomedical applications. , 2019, , 23-53.		0

#	ARTICLE	IF	CITATIONS
73	Biomimetic Collagen/Zn ²⁺ -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
74	New Challenges in Cancer Treatment, from Novel Agents to Innovative Administration. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2019, 19, 4-5.	1.7	1
75	Electrospun nanofibers for tissue engineering applications. , 2019, , 77-95.		8
76	Successful Release of Voriconazole and Flavonoids from MAPLE Deposited Bioactive Surfaces. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 786.	2.5	6
77	Flax Fibres Fabric Surface Decoration with Nanoparticles - A Promising Tool for Developing Hybrid Reinforcing Agent of Thermoplastic Polymers. <i>Fibers and Polymers</i> , 2019, 20, 2407-2415.	2.1	1
78	Hybrid Magnetic Nanostructures For Cancer Diagnosis And Therapy. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2019, 19, 6-16.	1.7	6
79	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
80	Bone - Graft Delivery Systems of Type PLGA- gentamicin and Collagen - hydroxyapatite - gentamicine. <i>Materiale Plastice</i> , 2019, 56, 534-527.	0.8	8
81	Influence of adding functionalized microparticles on the physical-mechanical, structural, and processability properties of thermoplastic rubber. <i>Leather and Footwear Journal</i> , 2019, 19, 29-40.	0.2	0
82	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
83	Production and Characterization of Antimicrobial Electrospun Nanofibers Containing Polyurethane, Zirconium Oxide and Zeolite. <i>BioNanoScience</i> , 2018, 8, 154-165.	3.5	9
84	Synthesis of TiO ₂ 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
85	Antibiofilm Coatings Based on PLGA and Nanostructured Cefepime-Functionalized Magnetite. <i>Nanomaterials</i> , 2018, 8, 633.	4.1	23
86	Biomedical Applications of Silver Nanoparticles: An Up-to-Date Overview. <i>Nanomaterials</i> , 2018, 8, 681.	4.1	828
87	MAPLE deposition of Nigella sativa functionalized Fe ₃ O ₄ nanoparticles for antimicrobial coatings. <i>Applied Surface Science</i> , 2018, 455, 513-521.	6.1	24
88	Applications of mesoporous silica in biosensing and controlled release of insulin. <i>International Journal of Pharmaceutics</i> , 2018, 549, 179-200.	5.2	28
89	Chitosan/poly(ethylene glycol)/hyaluronic acid biocompatible patches obtained by electrospraying. <i>Biomedical Materials (Bristol)</i> , 2018, 13, 055011.	3.3	8
90	Collagen/hydroxyapatite bone grafts manufactured by homogeneous/heterogeneous 3D printing. <i>Materials Letters</i> , 2018, 231, 179-182.	2.6	29

#	ARTICLE	IF	CITATIONS
91	Editorial: Smart Drug Delivery Systems (Part 1). <i>Current Drug Targets</i> , 2018, 19, 201.	2.1	0
92	Functionalized Magnetic Nanostructures for Anticancer Therapy. <i>Current Drug Targets</i> , 2018, 19, 239-247.	2.1	8
93	Editorial: Smart Drug Delivery Systems (Part 2). <i>Current Drug Targets</i> , 2018, 19, 299-299.	2.1	0
94	Advances in Drug Delivery Systems, from 0 to 3D superstructures. <i>Current Drug Targets</i> , 2018, 19, 393-405.	2.1	13
95	Biohydrogels for medical applications: A short review. <i>Organic Communications</i> , 2018, 11", 123-141.	0.8	3
96	ANTIBACTERIAL POLYMERIC NANOCOMPOSITES BASED ON PVC AND FUNCTIONALIZED TiO2 NANOPARTICLES WITH APPLICATION IN THE MEDICAL AND FOOD INDUSTRIES. , 2018, , .		0
97	Polyamide/polyethylene/graphite nanocomposites: development and morpho-structural and physical-mechanical characterisation. <i>Leather and Footwear Journal</i> , 2018, 18, 231-238.	0.2	0
98	Identifying the Optimum Method for Modifying the Zinc Oxide Surface in order to Obtain a High Deposit Degree of the Functioning Agent. , 2018, , .		0
99	Polyamide/Polypropylene/Graphite Nanocomposites with Functional Compatibilizers. , 2018, , .		0
100	The Influence of EVA and PE-g-AM Compatibilizers on the Processability, Mechanical and Structural Properties of Recycled PET / HDPE Mix. , 2018, , .		1
101	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
102	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
103	Nanotechnology: a challenge in hard tissue engineering withÂemphasis on bone cancer therapy. , 2017, , 513-539.		4
104	Polymer nanocomposites PE/PE-g-MA/EPDM/nanoZnO and TiO2 dynamically crosslinked with sulphur and accelerators. <i>Procedia Structural Integrity</i> , 2017, 5, 667-674.	0.8	3
105	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
106	Prevention of biofilm formation by material modification. , 2017, , 159-180.		1
107	Zinc Oxide Nanostrucures. , 2017, , 503-514.		1
108	Development of Stabilized Magnetite Nanoparticles for Medical Applications. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-9.	2.7	18

#	ARTICLE	IF	CITATIONS
109	Recent advances in using magnetic materials for environmental applications. , 2017, , 1-32.		1
110	Characterization of Cu/Ag/Eu/Hydroxyapatite Composites Produced by Wet Chemical Precipitation. Acta Physica Polonica A, 2017, 131, 392-396.	0.5	5
111	Physical Characterization of Turbot (Psetta Maxima) Originated Natural Hydroxyapatite. Acta Physica Polonica A, 2017, 131, 397-400.	0.5	5
112	THE INFLUENCE OF FUNCTIONALIZING AGENTS ON THE PROPERTIES OF FIBREGLASS POLYMER COMPOSITES. , 2017, , .		0
113	Mechanical and tribological properties of nanofilled phenolic-matrix laminated composites. Materiali in Tehnologije, 2017, 51, 569-575.	0.5	4
114	Structural and characterisation analysis of zinc-substituted hydroxyapatite with wet chemical precipitation method. International Journal of Nano and Biomaterials, 2016, 6, 188.	0.1	2
115	Soft tissue engineering and microbial infections. , 2016, , 1-29.		5
116	New Collagen-Dextran-Zinc Oxide Composites for Wound Dressing. Journal of Nanomaterials, 2016, 2016, 1-7.	2.7	40
117	Advances in the field of soft tissue engineering. , 2016, , 355-386.		5
118	Nanotechnology in dentistry. , 2016, , 187-210.		0
119	Fabrication of naturel pumice/hydroxyapatite composite for biomedical engineering. BioMedical Engineering OnLine, 2016, 15, 81.	2.7	16
120	High temperature superconducting materials based on Graphene / YBCO nanocomposite. Materials Today: Proceedings, 2016, 3, 2628-2634.	1.8	4
121	Can European Sea Bass (<i>Dicentrarchus labrax</i>) Scale Be a Good Candidate for Nano-Bioceramics Production?. Key Engineering Materials, 2016, 696, 60-65.	0.4	3
122	Influence of nanometric silicon carbide on phenolic resin composites properties. Bulletin of Materials Science, 2016, 39, 769-775.	1.7	25
123	New composite materials based on alginate and hydroxyapatite as potential carriers for ascorbic acid. International Journal of Pharmaceutics, 2016, 510, 501-507.	5.2	16
124	Synthesis and characterization of new composite materials based on poly(methacrylic acid) and hydroxyapatite with applications in dentistry. International Journal of Pharmaceutics, 2016, 510, 516-523.	5.2	30
125	Acrylic polymer influence on the structure and morphology of AgNPs obtained by chemical method for antimicrobial applications. Journal of Coatings Technology Research, 2016, 13, 53-61.	2.5	5
126	Extended release of vitamins from magnetite loaded polyanionic polymeric beads. International Journal of Pharmaceutics, 2016, 510, 457-464.	5.2	2

#	ARTICLE	IF	CITATIONS
127	Multi-walled carbon nanotubes effect in polypropylene nanocomposites. <i>Materiali in Tehnologije</i> , 2016, 50, .	0.5	1
128	Mechanical properties of polyamide/carbon-fiber-fabric composites. <i>Materiali in Tehnologije</i> , 2016, 50, 723-728.	0.5	4
129	Drug Delivery Systems for Dental Applications. <i>Current Organic Chemistry</i> , 2016, 21, 64-73.	1.6	9
130	Multifunctional Materials for Cancer Therapy: From Antitumoral Agents to Innovative Administration. <i>Current Organic Chemistry</i> , 2016, 20, 2934-2948.	1.6	7
131	Trends in Materials Science for Ligament Reconstruction. <i>Current Stem Cell Research and Therapy</i> , 2016, 12, 145-154.	1.3	2
132	Polymer Nanocomposites PE / PE-g-MA / EPDM / Nano ZnO Dynamically Vulcanized with Peroxide. , 2016, , .		1
133	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	0
134	The Effect of the Functionalizing Agent Type on Processability, Mechanical and Thermal Properties of Polypropylene-Based Composites. , 2016, , .		0
135	Multifunctional materials such as MCM-41-Fe ₃ O ₄ -folic acid as drug delivery system. <i>Romanian Journal of Morphology and Embryology</i> , 2016, 57, 483-9.	0.8	3
136	Tetracycline Loaded Collagen/Hydroxyapatite Composite Materials for Biomedical Applications. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-5.	2.7	8
137	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
138	Composite Scaffolds Based on Silver Nanoparticles for Biomedical Applications. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-8.	2.7	25
139	Editorial (Thematic Issue: Engineered Magnetic Core@Shell Structures). <i>Current Pharmaceutical Design</i> , 2015, 21, 5299-5300.	1.9	1
140	Fabrication of magnetite-based core-shell coated nanoparticles with antibacterial properties. <i>Biofabrication</i> , 2015, 7, 015014.	7.1	25
141	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
142	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
143	Design and characterization of polypropylene matrix/glass fibers composite materials. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	12
144	MAGNETIC CORE SHELL STRUCTURES: from 0D to 1D assembling. <i>Current Pharmaceutical Design</i> , 2015, 21, 5301-5311.	1.9	8

#	ARTICLE	IF	CITATIONS
145	SYNTHESIS AND APPLICATIONS OF Fe ₃ O ₄ /SiO ₂ CORE-SHELL MATERIALS. <i>Current Pharmaceutical Design</i> , 2015, 21, 5324-5335.	1.9	63
146	Antimicrobial Chitosan based Formulations with Impact on Different Biomedical Applications. <i>Current Pharmaceutical Biotechnology</i> , 2015, 16, 128-136.	1.6	41
147	Mesoporous Materials Used in Medicine and Environmental Applications. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 1501-1515.	2.1	16
148	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
149	Magnetite: From Synthesis to Applications. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 1622-1640.	2.1	54
150	Incorporation of Silver Nanoparticles in Film Forming Materials for Long Term Antimicrobial Action. <i>Current Nanoscience</i> , 2015, 11, 760-769.	1.2	3
151	Biocompatible hydrodispersible magnetite nanoparticles used as antibiotic drug carriers. <i>Romanian Journal of Morphology and Embryology</i> , 2015, 56, 365-70.	0.8	7
152	Carboxymethyl-cellulose/Fe ₃ O ₄ nanostructures for antimicrobial substances delivery. <i>Bio-Medical Materials and Engineering</i> , 2014, 24, 1639-1646.	0.6	9
153	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
154	MAPLE fabricated magnetite@eugenol and (3-hydroxybutyric acid-co-3-hydroxyvaleric acid)â€“polyvinyl alcohol microspheres coated surfaces with anti-microbial properties. <i>Applied Surface Science</i> , 2014, 306, 16-22.	6.1	51
155	Synthesis and characterization of a novel controlled release zinc oxide/gentamicinâ€“chitosan composite with potential applications in wounds care. <i>International Journal of Pharmaceutics</i> , 2014, 463, 161-169.	5.2	108
156	Montmorilloniteâ€“alginate nanocomposite as a drug delivery system â€“ incorporation and in vitro release of irinotecan. <i>International Journal of Pharmaceutics</i> , 2014, 463, 184-192.	5.2	143
157	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
158	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
159	Functionalized antibiofilm thin coatings based on PLAâ€“PVA microspheres loaded with usnic acid natural compounds fabricated by MAPLE. <i>Applied Surface Science</i> , 2014, 302, 262-267.	6.1	64
160	Multifunctional materials for bone cancer treatment. <i>International Journal of Nanomedicine</i> , 2014, 9, 2713.	6.7	64
161	Nanostructured Biomaterials with Antimicrobial Properties. <i>Current Medicinal Chemistry</i> , 2014, 21, 3391-3404.	2.4	7
162	Silver Based Materials for Biomedical Applications. <i>Current Organic Chemistry</i> , 2014, 18, 173-184.	1.6	45

#	ARTICLE	IF	CITATIONS
163	ZnO Applications and Challenges. <i>Current Organic Chemistry</i> , 2014, 18, 192-203.	1.6	62
164	Metal Oxide Nanoparticles: Potential Uses in Biomedical Applications. <i>Current Proteomics</i> , 2014, 11, 139-149.	0.3	30
165	In vitro activity of the new water-dispersible Fe ₃ O ₄ @usnic acid nanostructure against planktonic and sessile bacterial cells. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	47
166	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
167	Antimicrobial coatings " obtaining and characterization. <i>Bulletin of Materials Science</i> , 2013, 36, 183-188.	1.7	8
168	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
169	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
170	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
171	Collagen hydrolysate based collagen/hydroxyapatite composite materials. <i>Journal of Molecular Structure</i> , 2013, 1037, 154-159.	3.6	43
172	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
173	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
174	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
175	Biocompatible Magnetic Hollow Silica Microspheres for Drug Delivery. <i>Current Organic Chemistry</i> , 2013, 17, 1029-1033.	1.6	17
176	Prosthetic Devices with Functionalized Anti-biofilm Surface Based NanoAg@C18. <i>Current Organic Chemistry</i> , 2013, 17, 105-112.	1.6	4
177	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
178	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
179	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
180	Synthesis and Characterization of Mesoporous Magnetite Based Nanoparticles. <i>Current Nanoscience</i> , 2012, 8, 875-879.	1.2	7

#	ARTICLE	IF	CITATIONS
181	Mimicking the morphology of long bone. <i>Open Chemistry</i> , 2012, 10, 1949-1953.	1.9	5
182	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
183	Magnetite nanoparticles for functionalized textile dressing to prevent fungal biofilms development. <i>Nanoscale Research Letters</i> , 2012, 7, 501.	5.7	51
184	Modified wound dressing with phyto-nanostructured coating to prevent staphylococcal and pseudomonal biofilm development. <i>Nanoscale Research Letters</i> , 2012, 7, 690.	5.7	50
185	Synthesis and characterization of hybrid PVA/Al ₂ O ₃ thin film. <i>Materials Letters</i> , 2012, 74, 132-136.	2.6	24
186	Hybrid materials based on montmorillonite and citostatic drugs: Preparation and characterization. <i>Applied Clay Science</i> , 2011, 52, 62-68.	5.2	61
187	New approaches in layer by layer synthesis of collagen/hydroxyapatite composite materials. <i>Open Chemistry</i> , 2011, 9, 283-289.	1.9	13
188	Collagen/hydroxyapatite composite materials with desired ceramic properties. <i>Journal of Electron Microscopy</i> , 2011, 60, 253-259.	0.9	17
189	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
190	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
191	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
192	Collagen/hydroxyapatite composite obtained by electric field orientation. <i>Materials Letters</i> , 2010, 64, 541-544.	2.6	34
193	Self-assembled collagen/hydroxyapatite composite materials. <i>Chemical Engineering Journal</i> , 2010, 160, 794-800.	12.7	86
194	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. <i>Molecular Crystals and Liquid Crystals</i> , 2010, 521, 204-213.	0.9	0
195	Layer by layer deposition of hydroxyapatite onto the collagen matrix. <i>Materials Science and Engineering C</i> , 2009, 29, 2217-2220.	7.3	23
196	Advances in Cancer Treatment: Role of Nanoparticles. , 0, , .		5
197	The use of microwaves in the process of obtaining nanopowders. <i>Journal of Microwave Power and Electromagnetic Energy</i> , 0, , 1-20.	0.8	1
198	Collagen/Hydroxyapatite Composite Supports for Bone Tissue Engineering. , 0, , .		1

#	ARTICLE	IF	CITATIONS
199	Advances in Collagen/Hydroxyapatite Composite Materials. , 0, , .		13
200	MCM41/Fe3O4/EDTA Materials from Removal Different Cation from Waste Water. , 0, , .		0
201	Design of TiOxNy for Developing Layered Stent Technology. , 0, , .		0
202	Harnessing PET Wastes by Compounding with Functionalized Flax. , 0, , .		0
203	Design of TiOxNy for Coating Technology. , 0, , .		0
204	Collagen/Hydroxyapatite Bio-Compatible Scaffolds Obtained Through 3D Printing. , 0, , .		0
205	Polypropylene/Polyamide/Carbon Fibres Nanocomposites: Processing " Morphology " Property Relationships. , 0, , .		0
206	Titanium Oxynitride Coatings Deposited By Magnetron Sputtering For Improvement Of Cardiovascular Stent Design. , 0, , .		2
207	Smart Alginate-Based Magnetic Platforms for Drug Delivery. , 0, , .		0
208	Drug Delivery Platforms for Cardiovascular Applications Based on Alginate-Based Hollow Structures. , 0, , .		0