Alexandru Mihai Grumezescu

List of Publications by Year
in descending order

257	10,218	44069	46799
papers	citations	48 h-index	89 g-index

269	269	269	12285
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetite nanoparticles: Synthesis methods â€“ A comparative review. Methods, 2022, 199, 16-27.	3.8	118
2	Microelectromechanical Systems (MEMS) for Biomedical Applications. Micromachines, 2022, 13, 164.	2.9	44
3	Applications of Chitosan-Alginate-Based Nanoparticlesâ€”An Up-to-Date Review. Nanomaterials, 2022, 12, 186.	4.1	67
4	An Up-to-Date Review of Biomaterials Application in Wound Management. Polymers, 2022, 14, 421.	4.5	59
5	Bone Regeneration and Oxidative Stress: An Updated Overview. Antioxidants, 2022, 11, 318.	5.1	34
6	PEG-Functionalized Magnetite Nanoparticles for Modulation of Microbial Biofilms on Voice Prosthesis. Antibiotics, 2022, 11, 39.	3.7	14
7	Recent Developments in Metallic Nanomaterials for Cancer Therapy, Diagnosing and Imaging Applications. Pharmaceutics, 2022, 14, 435.	4.5	46
8	Novel Trends into the Development of Natural Hydroxyapatite-Based Polymeric Composites for Bone Tissue Engineering. Polymers, 2022, 14, 899.	4.5	22
9	New Insights of Scaffolds Based on Hydrogels in Tissue Engineering. Polymers, 2022, 14, 799.	4.5	63
10	Bee-Derived Products: Chemical Composition and Applications in Skin Tissue Engineering. Pharmaceutics, 2022, 14, 750.	4.5	19
11	Inorganic Nanoparticles in Bone Healing Applications. Pharmaceutics, 2022, 14, 770.	4.5	26
12	An Up-to-Date Review of Natural Nanoparticles for Cancer Management. Pharmaceutics, 2022, 14, 18.	4.5	25
13	Clinical Applications of Artificial Intelligenceâ€”An Updated Overview. Journal of Clinical Medicine, 2022, 11, 2265.	2.4	53
14	Novel Strategies for Spinal Cord Regeneration. International Journal of Molecular Sciences, 2022, 23, 4552.	4.1	13
15	Current Strategies to Enhance Delivery of Drugs across the Bloodâ€“Brain Barrier. Pharmaceutics, 2022, 14, 987.	4.5	44
16	Magnetite Nanoparticles Functionalized with Therapeutic Agents for Enhanced ENT Antimicrobial Properties. Antibiotics, 2022, 11, 623.	3.7	17
17	Novel Tumor-Targeting Nanoparticles for Cancer Treatmentâ€”A Review. International Journal of Molecular Sciences, 2022, 23, 5253.	4.1	35
18	An Overview of Oxidative Stress, Neuroinflammation, and Neurodegenerative Diseases. International Journal of Molecular Sciences, 2022, 23, 5938.	4.1	176

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19	Neurotransmittersâ€"Key Factors in Neurological and Neurodegenerative Disorders of the Central Nervous System. International Journal of Molecular Sciences, 2022, 23, 5954.	4.1	71
20	Recent Advances in Managing Spinal Intervertebral Discs Degeneration. International Journal of Molecular Sciences, 2022, 23, 6460.	4.1	10
21	Design, Characterization, and Antibacterial Performance of MAPLE-Deposited Coatings of Magnesium Phosphate-Containing Silver Nanoparticles in Biocompatible Concentrations. International Journal of Molecular Sciences, 2022, 23, 7910.	4.1	8
22	Fabrication and Applications of Microfluidic Devices: A Review. International Journal of Molecular Sciences, 2021, 22, 2011.	4.1	241
23	Polymeric Nanoparticles for Antimicrobial Therapies: An up-to-date Overview. Polymers, 2021, 13, 724.	4.5	86
24	Bioactive Coatings Based on Hydroxyapatite, Kanamycin, and Growth Factor for Biofilm Modulation. Antibiotics, 2021, 10, 160.	3.7	15
25	MAPLE Coatings Embedded with Essential Oil-Conjugated Magnetite for Anti-Biofilm Applications. Materials, 2021, 14, 1612.	2.9	27
26	Nanomaterials Synthesis through Microfluidic Methods: An Updated Overview. Nanomaterials, 2021, 11, 864.	4.1	77
27	Composite P(3HB-3HV)-CS Spheres for Enhanced Antibiotic Efficiency. Polymers, 2021, 13, 989.	4.5	2
28	Photodynamic Therapyâ€"An Up-to-Date Review. Applied Sciences (Switzerland), 2021, 11, 3626.	2.5	105
29	Eugenol-Functionalized Magnetite Nanoparticles Modulate Virulence and Persistence in Pseudomonas aeruginosa Clinical Strains. Molecules, 2021, 26, 2189.	3.8	27
30	Essential Oils for Bone Repair and Regenerationâ€"Mechanisms and Applications. Materials, 2021, 14, 1867.	2.9	14
31	Inorganic Nanoparticles and Composite Films for Antimicrobial Therapies. International Journal of Molecular Sciences, 2021, 22, 4595.	4.1	81
32	Cardiovascular Stents: A Review of Past, Current, and Emerging Devices. Materials, 2021, 14, 2498.	2.9	53
33	Diagnosis of Cardiac Abnormalities in Muscular Dystrophies. Medicina (Lithuania), 2021, 57, 488.	2.0	2
34	Nanoparticles for the Treatment of Inner Ear Infections. Nanomaterials, 2021, 11, 1311.	4.1	15
35	Biomaterials for the Prevention of Oral Candidiasis Development. Pharmaceutics, 2021, 13, 803.	4.5	15
36	Isoflavonoid-Antibiotic Thin Films Fabricated by MAPLE with Improved Resistance to Microbial Colonization. Molecules, 2021, 26, 3634.	3.8	5

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37	Biodistribution of essential oil-conjugated silver nanoparticles. Romanian Journal of Morphology and Embryology, 2021, 61, 1099-1109.	0.8	2
38	ZnO Nanoparticles-Modified Dressings to Inhibit Wound Pathogens. Materials, 2021, 14, 3084.	2.9	46
39	Electrochemotherapy and Other Clinical Applications of Electroporation for the Targeted Therapy of Metastatic Melanoma. Materials, 2021, 14, 3985.	2.9	1
40	Unexpected Ferromagnetismâ€"A Review. Applied Sciences (Switzerland), 2021, 11, 6707.	2.5	16
41	Anti-Cancer Nanopowders and MAPLE-Fabricated Thin Films Based on SPIONs Surface Modified with Paclitaxel Loaded Î²-Cyclodextrin. Pharmaceutics, 2021, 13, 1356.	4.5	18
42	Preventing Biofilm Formation and Development on Ear, Nose and Throat Medical Devices. Biomedicines, 2021, 9, 1025.	3.2	4
43	Recent Advances in the Treatment of Bone Metastases and Primary Bone Tumors: An Up-to-Date Review. Cancers, 2021, 13, 4229.	3.7	33
44	Natural Compounds for Preventing Ear, Nose, and Throat-Related Oral Infections. Plants, 2021, 10, 1847.	3.5	9
45	Biofilm-Resistant Nanocoatings Based on ZnO Nanoparticles and Linalool. Nanomaterials, 2021, 11, 2564.	4.1	14
46	Anti-Biofilm Coatings Based on Chitosan and Lysozyme Functionalized Magnetite Nanoparticles. Antibiotics, 2021, 10, 1269.	3.7	14
47	Synthesis of Magnetite Nanoparticles through a Lab-On-Chip Device. Materials, 2021, 14, 5906.	2.9	13
48	Polymer-Based Nanosystemsâ€"A Versatile Delivery Approach. Materials, 2021, 14, 6812.	2.9	21
49	Surface Modification to Modulate Microbial Biofilmsâ€"Applications in Dental Medicine. Materials, 2021, 14, 6994.	2.9	18
50	Modified Composite Based on Magnetite and Polyvinyl Alcohol: Synthesis, Characterization, and Degradation Studies of the Methyl Orange Dye from Synthetic Wastewater. Polymers, 2021, 13, 3911.	4.5	26
51	New Applications of Lipid and Polymer-Based Nanoparticles for Nucleic Acids Delivery. Pharmaceutics, 2021, 13, 2053.	4.5	14
52	Atmospheric Pressure Plasma Activation of Hydroxyapatite to Improve Fluoride Incorporation and Modulate Bacterial Biofilm. International Journal of Molecular Sciences, 2021, 22, 13103.	4.1	6
53	Bioactive Coatings Loaded with Osteogenic Protein for Metallic Implants. Polymers, 2021, 13, 4303.	4.5	9
54	Tumor Angiogenesis and Anti-Angiogenic Strategies for Cancer Treatment. Journal of Clinical Medicine, 2020, 9, 84.	2.4	286

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55	Surface modification â€“ A step forward to overcome the current challenges in orthopedic industry and to obtain an improved osseointegration and antimicrobial properties. Materials Chemistry and Physics, 2020, 243, 122579.	4.0	39
56	Regenerative Wound Dressings for Skin Cancer. Cancers, 2020, 12, 2954.	3.7	20
57	Body Fluid Biomarkers for Alzheimerâ€™s Diseaseâ€”An Up-To-Date Overview. Biomedicines, 2020, 8, 421.	3.2	46
58	Magnetite Nanoparticles and Essential Oils Systems for Advanced Antibacterial Therapies. International Journal of Molecular Sciences, 2020, 21, 7355.	4.1	36
59	An Updated Review on Silver Nanoparticles in Biomedicine. Nanomaterials, 2020, 10, 2318.	4.1	121
60	Polyphenols of Honeybee Origin with Applications in Dental Medicine. Antibiotics, 2020, 9, 856.	3.7	8
61	Anti-biofilm Fe3O4@C18-[1,3,4]thiadiazolo[3,2-a]pyrimidin-4-ium-2-thiolate Derivative Core-shell Nanocoatings. Materials, 2020, 13, 4640.	2.9	6
62	Nanostructured Thin Coatings Containing Anthriscus sylvestris Extract with Dual Bioactivity. Molecules, 2020, 25, 3866.	3.8	6
63	Recent Advances in Surface Nanoengineering for Biofilm Prevention and Control. Part II: Active, Combined Active and Passive, and Smart Bacteria-Responsive Antibiofilm Nanocoatings. Nanomaterials, 2020, 10, 1527.	4.1	41
64	Trends in the Immunomodulatory Effects of Cordyceps militaris: Total Extracts, Polysaccharides and Cordycepin. Frontiers in Pharmacology, 2020, 11, 575704.	3.5	35
65	Biosensors-on-Chip: An Up-to-Date Review. Molecules, 2020, 25, 6013.	3.8	24
66	Scar-Free Healing: Current Concepts and Future Perspectives. Nanomaterials, 2020, 10, 2179.	4.1	24
67	Nanomaterials for Wound Dressings: An Up-to-Date Overview. Molecules, 2020, 25, 2699.	3.8	126
68	Hydroxyapatite Particlesâ€”Directing the Cellular Activity in Bone Regeneration Processes: An Up-To-Date Review. Applied Sciences (Switzerland), 2020, 10, 3483.	2.5	13
69	Marine Biocompounds for Neuroprotectionâ€”A Review. Marine Drugs, 2020, 18, 290.	4.6	36
70	Hydrogel Dressings for the Treatment of Burn Wounds: An Up-To-Date Overview. Materials, 2020, 13, 2853.	2.9	90
71	Recent Advances in Surface Nanoengineering for Biofilm Prevention and Control. Part I: Molecular Basis of Biofilm Recalcitrance. Passive Anti-Biofouling Nanocoatings. Nanomaterials, 2020, 10, 1230.	4.1	38
72	The Effect of Silver Nanoparticles on Antioxidant/Pro-Oxidant Balance in a Murine Model. International Journal of Molecular Sciences, 2020, 21, 1233.	4.1	75

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73	Nanosystems for Improved Targeted Therapies in Melanoma. Journal of Clinical Medicine, 2020, 9, 318.	2.4	30
74	Bioactive Surfaces of Polylactide and Silver Nanoparticles for the Prevention of Microbial Contamination. Materials, 2020, 13, 768.	2.9	31
75	Magnetic Particles for Advanced Molecular Diagnosis. Materials, 2019, 12, 2158.	2.9	25
76	Nanomaterials for Wound Healing and Infection Control. Materials, 2019, 12, 2176.	2.9	263
77	Electrospun Polyethylene Terephthalate Nanofibers Loaded with Silver Nanoparticles: Novel Approach in Anti-Infective Therapy. Journal of Clinical Medicine, 2019, 8, 1039.	2.4	33
78	Suberin/trans-Cinnamaldehyde Oil Nanoparticles with Antimicrobial Activity and Anticancer Properties When Loaded with Paclitaxel. ACS Applied Bio Materials, 2019, 2, 3484-3497.	4.6	10
79	Antioxidant Therapies for Neuroprotectionâ€"A Review. Journal of Clinical Medicine, 2019, 8, 1659.	2.4	65
80	Recent progress in polyesterâ€“urethanes. , 2019, , 409-423.		0
81	Nanobiomaterials Used in Cancer Therapy: An Up-To-Date Overview. Molecules, 2019, 24, 3547.	3.8	81
82	Nanomaterial-Based Approaches for Neural Regeneration. Pharmaceutics, 2019, 11, 266.	4.5	15
83	Nanomaterials for Drug Delivery to the Central Nervous System. Nanomaterials, 2019, 9, 371.	4.1	96
84	Neuronanomedicine: An Up-to-Date Overview. Pharmaceutics, 2019, 11, 101.	4.5	54
85	Contrast Agents Delivery: An Up-to-Date Review of Nanodiagnostics in Neuroimaging. Nanomaterials, 2019, 9, 542.	4.1	21
86	Antimicrobial applications of MAPLE processed coatings based on PLGA and lincomycin functionalized magnetite nanoparticles. Applied Surface Science, 2019, 484, 587-599.	6.1	14
87	Clinical applications of bioactive materials. , 2019, , 527-543.		1
88	Degradation versus resorption. , 2019, , 1-18.		0
89	Successful Release of Voriconazole and Flavonoids from MAPLE Deposited Bioactive Surfaces. Applied Sciences (Switzerland), 2019, 9, 786.	2.5	6
90	In vitro and in vivo studies of novel fabricated bioactive dressings based on collagen and zinc oxide 3D scaffolds. International Journal of Pharmaceutics, 2019, 557, 199-207.	5.2	68

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91	Neurotoxicity of Nanomaterials: An Up-to-Date Overview. Nanomaterials, 2019, 9, 96.	4.1	109
92	Microfluidics â€“ Organ-on-chip. Biomedical Engineering International, 2019, 1, 2-8.	0.5	3
93	Tailored Gold Nanoparticles for Cancer Imaging and Therapy. Materials International, 2019, 1, 013-024.	0.6	3
94	Biomedical Engineering International joins the Family of Platinum Open Access Journals. Biomedical Engineering International, 2019, 1, 1-1.	0.5	0
95	Innovative Biomaterials in Bone Tissue Engineering. Materials International, 2019, 1, 002-012.	0.6	0
96	Bioengineering International joins the Family of Platinum Open Access Journals. Bioengineering International, 2019, 1, 001-001.	0.0	0
97	MAPLE fabricated coatings based on magnetite nanoparticles embedded into biopolymeric spheres resistant to microbial colonization. Applied Surface Science, 2018, 448, 230-236.	6.1	15
98	Preface for Volume 6: Genetically Engineered Foods. , 2018, , xxiii-xxvi.		0
99	Preface for Volume 17: Alternative and Replacement Foods. , 2018, , xxiii-xxvi.		2
100	Blood-Brain Delivery Methods Using Nanotechnology. Pharmaceutics, 2018, 10, 269.	4.5	191
101	Impact of Nanoparticles on Brain Health: An Up to Date Overview. Journal of Clinical Medicine, 2018, 7, 490.	2.4	142
102	Preface for Volume 8: Therapeutic Foods. , 2018, , xxiii-xxvi.		0
103	Preface for Volume 18: Food Processing for Increased Quality and Consumption. , 2018, , xxiii-xxvi.		7
104	Treatment Strategies for Infected Wounds. Molecules, 2018, 23, 2392.	3.8	421
105	Antibiofilm Coatings Based on PLGA and Nanostructured Cefepime-Functionalized Magnetite. Nanomaterials, 2018, 8, 633.	4.1	23
106	Biomedical Applications of Silver Nanoparticles: An Up-to-Date Overview. Nanomaterials, 2018, 8, 681.	4.1	828
107	Cellulose acetate - essential oil nanocapsules with antimicrobial activity for biomedical applications. Colloids and Surfaces B: Biointerfaces, 2018, 172, 471-479.	5.0	50
108	MAPLE deposition of Nigella sativa functionalized Fe3O4 nanoparticles for antimicrobial coatings. Applied Surface Science, 2018, 455, 513-521.	6.1	24

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109	Preface for Volume 20: Biopolymers for Food Design. , 2018, , xxi-xxiv.		0
110	Nanocoatings for Chronic Wound Repairâ€"Modulation of Microbial Colonization and Biofilm Formation. International Journal of Molecular Sciences, 2018, 19, 1179.	4.1	90
111	Novel Hybrid Formulations Based on Thiourea Derivatives and Core@Shell Fe3O4@C18 Nanostructures for the Development of Antifungal Strategies. Nanomaterials, 2018, 8, 47.	4.1	15
112	Preface for Volume 13: Food Quality: Balancing Health and Disease. , 2018, , xxi-xxiv.		6
113	Hyaluronic acid-based scaffolds for tissue engineering. Romanian Journal of Morphology and Embryology, 2018, 59, 71-76.	0.8	37
114	Microorganisms: new trends in environment-friendly and energy-saving water purification. , 2017, , 263-288.		3
115	Bioactive mesoporous silica nanostructures with anti-microbial and anti-biofilm properties. International Journal of Pharmaceutics, 2017, 531, 35-46.	5.2	33
116	Recent trends and methodologies in gold nanoparticle synthesis â€“ A prospective review on drug delivery aspect. OpenNano, 2017, 2, 37-46.	4.8	196
117	Gold nanoparticles: advances in water purification approaches. , 2017, , 447-477.		9
118	Preface for Volume 4: Ingredients Extraction by Physicochemical Methods in Food. , 2017, , xxi-xxiv.		7
119	Bioengineered nanomaterials for chemotherapy. , 2017, , 23-49.		8
120	Antimicrobial Thin Coatings Prepared by Laser Processing. , 2017, , 223-236.		1
121	Electrospun Fiber Pads of Cellulose Acetate and Essential Oils with Antimicrobial Activity. Nanomaterials, 2017, 7, 84.	4.1	74
122	Nanostructurated materials for prolonged and safe food preservation. , 2017, , 305-335.		7
123	Zinc Oxide Nanostrucures. , 2017, , 503-514.		1
124	Fabrication and Cytotoxicity of Gemcitabine-Functionalized Magnetite Nanoparticles. Molecules, 2017, 22, 1080.	3.8	34
125	Natural products used forÂfood preservation. , 2017, , 365-411.		18
126	Nanostructurated membranes for the microbiological purification of drinking water. , 2017, , 421-446.		6

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127	Preparation and Antimicrobial Activity of Inorganic Nanoparticles. , 2017, , 325-340.		5
128	Silver-based nanostructures for cancer therapy. , 2017, , 405-428.		1
129	Nanostructures for cancer therapy: from targeting to selective toxicology. , 2017, , 831-847.		6
130	Preface for Volume 5: Microbial Production of Food Ingredients and Additives. , 2017, , xxi-xxiv.		4
131	Nanotherapeutics in the management of infections and cancer. , 2017, , 163-189.		1
132	Soft tissue engineering and microbial infections. , 2016, , 1-29.		5
133	Toxicity of inorganic nanoparticles against prokaryotic cells. , 2016, , 29-65.		0
134	Inorganic nanoarchitectonics designed for drug delivery and anti-infective surfaces. , 2016, , 301-327.		21
135	Nano-hydroxyapatite. , 2016, , 189-213.		6
136	Editorial (Thematic Issue: Nanobiomaterials for Improving Stem Cell Applications in Tissue Engineering) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.3	0
137	Understanding dental implants. , 2016, , 27-47.		1
138	Specifically targeted imaging using functionalized nanoparticles. , 2016, , 1-44.		0
139	Silver Nanocoatings for Reducing the Exogenous Microbial Colonization of Wound Dressings. Materials, 2016, 9, 345.	2.9	38
140	Antimicrobial Nanostructured Bioactive Coating Based on Fe3O4 and Patchouli Oil for Wound Dressing. Metals, 2016, 6, 103.	2.3	26
141	Biocompatible 3D Matrix with Antimicrobial Properties. Molecules, 2016, 21, 115.	3.8	5
142	Bioactive ZnO Coatings Deposited by MAPLEâ€"An Appropriate Strategy to Produce Efficient Anti-Biofilm Surfaces. Molecules, 2016, 21, 220.	3.8	26
143	Fabrication, Characterization, and Evaluation of Bionanocomposites Based on Natural Polymers and Antibiotics for Wound Healing Applications. Molecules, 2016, 21, 761.	3.8	22
144	Polylactic Acidâ€"Lemongrass Essential Oil Nanocapsules with Antimicrobial Properties. Pharmaceuticals, 2016, 9, 42.	3.8	46

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145	Methods of Synthesis, Properties and Biomedical Applications of CuO Nanoparticles. Pharmaceuticals, 2016, 9, 75.	3.8	257
146	Metallic nanosystems in hard tissue implants. , 2016, , 381-412.		0
147	Antimicrobial Lemongrass Essential Oilâ€"Copper Ferrite Cellulose Acetate Nanocapsules. Molecules, 2016, 21, 520.	3.8	30
148	Natural and synthetic polymers for drug delivery and targeting. , 2016, , 229-284.		12
149	Iron oxide nanomaterials for functional imaging. , 2016, , 279-301.		2
150	Biocompatible hybrid silica nanobiocomposites for the efficient delivery of anti-staphylococcal drugs. International Journal of Pharmaceutics, 2016, 510, 532-542.	5.2	9
151	Silver nanoparticles in cancer therapy. , 2016, , 29-56.		25
152	Advanced nano- and bio-materials: A pharmaceutical approach. International Journal of Pharmaceutics, 2016, 510, 407-408.	5.2	0
153	Mesoporous silica coatings for cephalosporin active release at the bone-implant interface. Applied Surface Science, 2016, 374, 165-171.	6.1	20
154	Biocompatible cephalosporin-hydroxyapatite-poly(lactic-co-glycolic acid)-coatings fabricated by MAPLE technique for the prevention of bone implant associated infections. Applied Surface Science, 2016, 374, 387-396.	6.1	19
155	All natural cellulose acetateâ€"Lemongrass essential oil antimicrobial nanocapsules. International Journal of Pharmaceutics, 2016, 510, 508-515.	5.2	42
156	Control of biofilm-associated infections by signaling molecules and nanoparticles. International Journal of Pharmaceutics, 2016, 510, 409-418.	5.2	30
157	Polymeric protective agents for nanoparticles in drug delivery and targeting. International Journal of Pharmaceutics, 2016, 510, 419-429.	5.2	52
158	Thin coatings based on ZnO@C18-usnic acid nanoparticles prepared by MAPLE inhibit the development of Salmonella enterica early biofilm growth. Applied Surface Science, 2016, 374, 318-325.	6.1	18
159	Preparation and characterization of undoped and cobalt doped ZnO for antimicrobial use. International Journal of Pharmaceutics, 2016, 510, 430-438.	5.2	5
160	Development of Scaffolds for Vascular Tissue Engineering: Biomaterial Mediated Neovascularization. Current Stem Cell Research and Therapy, 2016, 12, 155-164.	1.3	5
161	Comparative Dynamic Characteristics of Electrospun Ultrathin Fibers and Films Based on Poly(3-hydroxybutyrate). Chemistry and Chemical Technology, 2016, 10, 151-158.	1.1	3
162	Renoprotective Effects of Shout Camphor Medicinal Mushroom (Taiwanofungus camphorates,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 of Medicinal Mushrooms, 2016, 18, 1105-1114.	1.5	3

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163	Antimicrobial coatings based on zinc oxide and orange oil for improved bioactive wound dressings and other applications. Romanian Journal of Morphology and Embryology, 2016, 57, 107-14.	0.8	15
164	Editorial (Thematic Issue: Antimicrobial Strategies based on Natural Products: Recent Progress in Bio) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.6	1
165	Editorial (Thematic Issue: Micro and Nanoscale Materials for Boosting the Antimicrobial Fight). Current Topics in Medicinal Chemistry, 2015, 15, 1551-1551.	2.1	1
166	Editorial (Thematic Issue: Nanobioactive Structures for Drug Targeting and Delivery). Current Topics in Medicinal Chemistry, 2015, 15, 1423-1423.	2.1	0
167	Fabrication of magnetite-based coreâ€“shell coated nanoparticles with antibacterial properties. Biofabrication, 2015, 7, 015014.	7.1	25
168	Nanostructured mesoporous silica: new perspectives for fighting antimicrobial resistance. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	4
169	Magnetite Nanostructures. , 2015, , 51-67.		0
170	Fabrication and characterization of functionalized surfaces with 3-amino propyltrimethoxysilane films for anti-infective therapy applications. Applied Surface Science, 2015, 336, 401-406.	6.1	10
171	MAPLE fabricated magnetite@Melissa officinalis and poly lactic acid: chitosan coated surfaces with anti-staphylococcal properties. Journal of Sol-Gel Science and Technology, 2015, 73, 612-619.	2.4	11
172	Poly(lactic-co-glycolic) acid/chitosan microsphere thin films functionalized with Cinnamomi aetheroleum and magnetite nanoparticles for preventing the microbial colonization of medical surfaces. Journal of Sol-Gel Science and Technology, 2015, 73, 679-686.	2.4	7
173	Microbial colonization of biopolymeric thin films containing natural compounds and antibiotics fabricated by MAPLE. Applied Surface Science, 2015, 336, 234-239.	6.1	9
174	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.	6.1	19
175	Carvone functionalized iron oxide nanostructures thin films prepared by MAPLE for improved resistance to microbial colonization. Journal of Sol-Gel Science and Technology, 2015, 73, 605-611.	2.4	12
176	Magnetite Nanocomposites Thin Coatings Prepared by MAPLE to Prevent Microbial Colonization of Medical Surfaces. Advanced Structured Materials, 2015, , 311-339.	0.5	2
177	MAPLE fabrication of thin films based on kanamycin functionalized magnetite nanoparticles with anti-pathogenic properties. Applied Surface Science, 2015, 336, 188-195.	6.1	24
178	Nanostructured Bioactive Polymers Used in Food-Packaging. Current Pharmaceutical Biotechnology, 2015, 16, 121-127.	1.6	6
179	Prevention of Microbial Communities: Novel Approaches Based Natural Products. Current Pharmaceutical Biotechnology, 2015, 16, 94-111.	1.6	25
180	Prosthetic Devices with Nanostructurated Surfaces for Increased Resistance to Microbial Colonization. Current Pharmaceutical Biotechnology, 2015, 16, 112-120.	1.6	5

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181	Smart Synthetic Polymer Nanocarriers for Controlled and Site-Specific Drug Delivery. Current Topics in Medicinal Chemistry, 2015, 15, 1424-1490.	2.1	22
182	Metallic-Based Micro and Nanostructures with Antimicrobial Activity. Current Topics in Medicinal Chemistry, 2015, 15, 1577-1582.	2.1	21
183	Applications and Toxicity of Silver Nanoparticles: A Recent Review. Current Topics in Medicinal Chemistry, 2015, 15, 1596-1604.	2.1	201
184	Biomedical Applications of Gold Nanoparticles. Current Topics in Medicinal Chemistry, 2015, 15, 1605-1613.	2.1	168
185	Metal Based Frameworks for Drug Delivery Systems. Current Topics in Medicinal Chemistry, 2015, 15, 1532-1542.	2.1	16
186	SYNTHESIS AND BIOEVALUATION OF MAGNETIC PARTICLES BASED ON CHITOSAN AND PHYTOCOMPONENTS FROM Eugenia carryophyllata AQUEOUS EXTRACT. Environmental Engineering and Management Journal, 2015, 14, 855-861.	0.6	0
187	Carbon nanotubes for cancer therapy and neurodegenerative diseases. Romanian Journal of Morphology and Embryology, 2015, 56, 349-56.	0.8	9
188	Biocompatible hydrodispersible magnetite nanoparticles used as antibiotic drug carriers. Romanian Journal of Morphology and Embryology, 2015, 56, 365-70.	0.8	7
189	Metal-based nanosystems for diagnosis. Romanian Journal of Morphology and Embryology, 2015, 56, 635-49.	0.8	7
190	In vitro and in vivo applications of 3D dendritic gold nanostructures. Romanian Journal of Morphology and Embryology, 2015, 56, 915-24.	0.8	3
191	In vivo biodistribution of CNTs using a BALB/c mouse experimental model. Romanian Journal of Morphology and Embryology, 2015, 56, 1481-93.	0.8	5
192	Editorial (Thematic Issue: Prevention of Microbial Biofilms - The Contribution of Micro and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td	2.4	10
193	Bioevaluation of Novel Anti-Biofilm Coatings Based on PVP/Fe3O4 Nanostructures and 2-((4-Ethylphenoxy)methyl)-N- (arylcarbamothioyl)benzamides. Molecules, 2014, 19, 12011-12030.	3.8	12
194	Magnetite Nanostructures as Novel Strategies for Anti-Infectious Therapy. Molecules, 2014, 19, 12710-12726.	3.8	58
195	Antimicrobial nanospheres thin coatings prepared by advanced pulsed laser technique. Beilstein Journal of Nanotechnology, 2014, 5, 872-880.	2.8	31
196	Synthesis of uniform poly(d,lâ€‹actide) and poly(d,lâ€‹actideâ€‹coâ€‹glycolide) microspheres using a microfluidic chip for comparison. Electrophoresis, 2014, 35, 316-322.	2.4	16
197	Efficiency of Vanilla, Patchouli and Ylang Ylang Essential Oils Stabilized by Iron Oxide@C14 Nanostructures against Bacterial Adherence and Biofilms Formed by Staphylococcus aureus and Klebsiella pneumoniae Clinical Strains. Molecules, 2014, 19, 17943-17956.	3.8	49
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