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	Biomedical Applications of Silver Nanoparticles: An Up-to-Date Overview. Nanomaterials, 2018, 8, 681.	4.1	828
2	Natural and synthetic polymers for wounds and burns dressing. International Journal of Pharmaceutics, 2014, 463, 127-136.	5.2	826
3	Treatment Strategies for Infected Wounds. Molecules, 2018, 23, 2392.	3.8	421
4	Tumor Angiogenesis and Anti-Angiogenic Strategies for Cancer Treatment. Journal of Clinical Medicine, 2020, 9, 84.	2.4	286
5	Nanomaterials for Wound Healing and Infection Control. Materials, 2019, 12, 2176.	2.9	263
6	Methods of Synthesis, Properties and Biomedical Applications of CuO Nanoparticles. Pharmaceuticals, 2016, 9, 75.	3.8	257
7	Fabrication and Applications of Microfluidic Devices: A Review. International Journal of Molecular Sciences, 2021, 22, 2011.	4.1	241
8	Applications and Toxicity of Silver Nanoparticles: A Recent Review. Current Topics in Medicinal Chemistry, 2015, 15, 1596-1604.	2.1	201
9	Recent trends and methodologies in gold nanoparticle synthesis â€“ A prospective review on drug delivery aspect. OpenNano, 2017, 2, 37-46.	4.8	196
10	Blood-Brain Delivery Methods Using Nanotechnology. Pharmaceutics, 2018, 10, 269.	4.5	191
11	An Overview of Oxidative Stress, Neuroinflammation, and Neurodegenerative Diseases. International Journal of Molecular Sciences, 2022, 23, 5938.	4.1	176
12	Biomedical Applications of Gold Nanoparticles. Current Topics in Medicinal Chemistry, 2015, 15, 1605-1613.	2.1	168
13	Impact of Nanoparticles on Brain Health: An Up to Date Overview. Journal of Clinical Medicine, 2018, 7, 490.	2.4	142
14	Nanomaterials for Wound Dressings: An Up-to-Date Overview. Molecules, 2020, 25, 2699.	3.8	126
15	An Updated Review on Silver Nanoparticles in Biomedicine. Nanomaterials, 2020, 10, 2318.	4.1	121
16	Magnetite nanoparticles: Synthesis methods â€“ A comparative review. Methods, 2022, 199, 16-27.	3.8	118
17	Hybrid magnetite nanoparticles/Rosmarinus officinalis essential oil nanobiosystem with antibiofilm activity. Nanoscale Research Letters, 2012, 7, 209.	5.7	111
18	Neurotoxicity of Nanomaterials: An Up-to-Date Overview. Nanomaterials, 2019, 9, 96.	4.1	109

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19	Photodynamic Therapyâ€"An Up-to-Date Review. Applied Sciences (Switzerland), 2021, 11, 3626.	2.5	105
20	Nanomaterials for Drug Delivery to the Central Nervous System. Nanomaterials, 2019, 9, 371.	4.1	96
21	Nanocoatings for Chronic Wound Repairâ€"Modulation of Microbial Colonization and Biofilm Formation. International Journal of Molecular Sciences, 2018, 19, 1179.	4.1	90
22	Hydrogel Dressings for the Treatment of Burn Wounds: An Up-To-Date Overview. Materials, 2020, 13, 2853.	2.9	90
23	Polymeric Nanoparticles for Antimicrobial Therapies: An up-to-date Overview. Polymers, 2021, 13, 724.	4.5	86
24	Biohybrid Nanostructured Iron Oxide Nanoparticles and Satureja hortensis to Prevent Fungal Biofilm Development. International Journal of Molecular Sciences, 2013, 14, 18110-18123.	4.1	84
25	Nanobiomaterials Used in Cancer Therapy: An Up-To-Date Overview. Molecules, 2019, 24, 3547.	3.8	81
26	Inorganic Nanoparticles and Composite Films for Antimicrobial Therapies. International Journal of Molecular Sciences, 2021, 22, 4595.	4.1	81
27	Nanomaterials Synthesis through Microfluidic Methods: An Updated Overview. Nanomaterials, 2021, 11, 864.	4.1	77
28	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
29	Electrospun Fiber Pads of Cellulose Acetate and Essential Oils with Antimicrobial Activity. Nanomaterials, 2017, 7, 84.	4.1	74
30	Neurotransmittersâ€"Key Factors in Neurological and Neurodegenerative Disorders of the Central Nervous System. International Journal of Molecular Sciences, 2022, 23, 5954.	4.1	71
31	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
32	Water dispersible cross-linked magnetic chitosan beads for increasing the antimicrobial efficiency of aminoglycoside antibiotics. International Journal of Pharmaceutics, 2013, 454, 233-240.	5.2	67
33	Applications of Chitosan-Alginate-Based Nanoparticlesâ€"An Up-to-Date Review. Nanomaterials, 2022, 12, 186.	4.1	67
34	Antioxidant Therapies for Neuroprotectionâ€"A Review. Journal of Clinical Medicine, 2019, 8, 1659.	2.4	65
35	Functionalized antibiofilm thin coatings based on PLAâ€"PVA microspheres loaded with usnic acid natural compounds fabricated by MAPLE. Applied Surface Science, 2014, 302, 262-267.	6.1	64
36	New Insights of Scaffolds Based on Hydrogels in Tissue Engineering. Polymers, 2022, 14, 799.	4.5	63

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37	Biocompatible Fe3O4 Increases the Efficacy of Amoxicillin Delivery against Gram-Positive and Gram-Negative Bacteria. Molecules, 2014, 19, 5013-5027.	3.8	59
38	An Up-to-Date Review of Biomaterials Application in Wound Management. Polymers, 2022, 14, 421.	4.5	59
39	Magnetite Nanostructures as Novel Strategies for Anti-Infectious Therapy. Molecules, 2014, 19, 12710-12726.	3.8	58
40	Neuronanomedicine: An Up-to-Date Overview. Pharmaceutics, 2019, 11, 101.	4.5	54
41	Inhibitory Activity of ${m Fe}_{3} {m O}_{4}$/Oleic Acid/Usnic Acidâ€"Core/Shell/Extra-Shell Nanofluid on S. aureus Biofilm Development. IEEE Transactions on Nanobioscience, 2011, 10, 269-274.	3.3	53
42	Synthesis, characterization and in vitro assessment of the magnetic chitosanâ€"carboxymethylcellulose biocomposite interactions with the prokaryotic and eukaryotic cells. International Journal of Pharmaceutics, 2012, 436, 771-777.	5.2	53
43	Cardiovascular Stents: A Review of Past, Current, and Emerging Devices. Materials, 2021, 14, 2498.	2.9	53
44	Clinical Applications of Artificial Intelligenceâ€"An Updated Overview. Journal of Clinical Medicine, 2022, 11, 2265.	2.4	53
45	Polymeric protective agents for nanoparticles in drug delivery and targeting. International Journal of Pharmaceutics, 2016, 510, 419-429.	5.2	52
46	Magnetite nanoparticles for functionalized textile dressing to prevent fungal biofilms development. Nanoscale Research Letters, 2012, 7, 501.	5.7	51
47	MAPLE fabricated magnetite@eugenol and (3-hidroxybutyric acid-co-3-hidroxyvaleric acid)â€"polyvinyl alcohol microspheres coated surfaces with anti-microbial properties. Applied Surface Science, 2014, 306, 16-22.	6.1	51
48	Modified wound dressing with phyto-nanostructured coating to prevent staphylococcal and pseudomonal biofilm development. Nanoscale Research Letters, 2012, 7, 690.	5.7	50
49	Cellulose acetate - essential oil nanocapsules with antimicrobial activity for biomedical applications. Colloids and Surfaces B: Biointerfaces, 2018, 172, 471-479.	5.0	50
50	Water dispersible magnetite nanoparticles influence the efficacy of antibiotics against planktonic and biofilm embedded Enterococcus faecalis cells. Anaerobe, 2013, 22, 14-19.	2.1	49
51	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
52	Improved antibacterial activity of cephalosporins loaded in magnetic chitosan microspheres. International Journal of Pharmaceutics, 2012, 436, 201-205.	5.2	47
53	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.	1.9	47
54	Polylactic Acidâ€"Lemongrass Essential Oil Nanocapsules with Antimicrobial Properties. Pharmaceuticals, 2016, 9, 42.	3.8	46

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55	Body Fluid Biomarkers for Alzheimerâ€™s Diseaseâ€”An Up-To-Date Overview. Biomedicines, 2020, 8, 421.	3.2	46
56	ZnO Nanoparticles-Modified Dressings to Inhibit Wound Pathogens. Materials, 2021, 14, 3084.	2.9	46
57	Recent Developments in Metallic Nanomaterials for Cancer Therapy, Diagnosing and Imaging Applications. Pharmaceutics, 2022, 14, 435.	4.5	46
58	Usnic acid-loaded biocompatible magnetic PLGA-PVA microsphere thin films fabricated by MAPLE with increased resistance to staphylococcal colonization. Biofabrication, 2014, 6, 035002.	7.1	45
59	Microelectromechanical Systems (MEMS) for Biomedical Applications. Micromachines, 2022, 13, 164.	2.9	44
60	Current Strategies to Enhance Delivery of Drugs across the Bloodâ€“Brain Barrier. Pharmaceutics, 2022, 14, 987.	4.5	44
61	All natural cellulose acetateâ€”Lemongrass essential oil antimicrobial nanocapsules. International Journal of Pharmaceutics, 2016, 510, 508-515.	5.2	42
62	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
63	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
64	MAPLE Fabricated Fe3O4@Cinnamomum verum Antimicrobial Surfaces for Improved Gastrostomy Tubes. Molecules, 2014, 19, 8981-8994.	3.8	38
65	Silver Nanocoatings for Reducing the Exogenous Microbial Colonization of Wound Dressings. Materials, 2016, 9, 345.	2.9	38
66	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
67	Anionic polymers and 10nm Fe3O4@UA wound dressings support human foetal stem cells normal development and exhibit great antimicrobial properties. International Journal of Pharmaceutics, 2014, 463, 146-154.	5.2	37
68	Keratin-Based Biomaterials for Biomedical Applications. Current Drug Targets, 2014, 15, 518-530.	2.1	37
69	Hyaluronic acid-based scaffolds for tissue engineering. Romanian Journal of Morphology and Embryology, 2018, 59, 71-76.	0.8	37
70	Hybrid Nanomaterial for Stabilizing the Antibiofilm Activity of Eugenia carryophyllata Essential Oil. IEEE Transactions on Nanobioscience, 2012, 11, 360-365.	3.3	36
71	Functionalized magnetite silica thin films fabricated by MAPLE with antibiofilm properties. Biofabrication, 2013, 5, 015007.	7.1	36
72	Magnetite Nanoparticles and Essential Oils Systems for Advanced Antibacterial Therapies. International Journal of Molecular Sciences, 2020, 21, 7355.	4.1	36

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73	Marine Biocompounds for Neuroprotectionâ€"A Review. Marine Drugs, 2020, 18, 290.	4.6	36
74	Trends in the Immunomodulatory Effects of Cordyceps militaris: Total Extracts, Polysaccharides and Cordycepin. Frontiers in Pharmacology, 2020, 11, 575704.	3.5	35
75	Novel Tumor-Targeting Nanoparticles for Cancer Treatmentâ€"A Review. International Journal of Molecular Sciences, 2022, 23, 5253.	4.1	35
76	Fabrication and Cytotoxicity of Gemcitabine-Functionalized Magnetite Nanoparticles. Molecules, 2017, 22, 1080.	3.8	34
77	Bone Regeneration and Oxidative Stress: An Updated Overview. Antioxidants, 2022, 11, 318.	5.1	34
78	Bioactive mesoporous silica nanostructures with anti-microbial and anti-biofilm properties. International Journal of Pharmaceutics, 2017, 531, 35-46.	5.2	33
79	Electrospun Polyethylene Terephthalate Nanofibers Loaded with Silver Nanoparticles: Novel Approach in Anti-Infective Therapy. Journal of Clinical Medicine, 2019, 8, 1039.	2.4	33
80	Recent Advances in the Treatment of Bone Metastases and Primary Bone Tumors: An Up-to-Date Review. Cancers, 2021, 13, 4229.	3.7	33
81	Fabrication, characterization and in vitro profile based interaction with eukaryotic and prokaryotic cells of alginateâ€"chitosanâ€"silica biocomposite. International Journal of Pharmaceutics, 2013, 441, 555-561.	5.2	32
82	Plackettâ€"Burman experimental design for bacterial celluloseâ€"silica composites synthesis. Materials Science and Engineering C, 2014, 42, 280-288.	7.3	32
83	Antimicrobial nanospheres thin coatings prepared by advanced pulsed laser technique. Beilstein Journal of Nanotechnology, 2014, 5, 872-880.	2.8	31
84	Bioactive Surfaces of Polylactide and Silver Nanoparticles for the Prevention of Microbial Contamination. Materials, 2020, 13, 768.	2.9	31
85	Antimicrobial Lemongrass Essential Oilâ€"Copper Ferrite Cellulose Acetate Nanocapsules. Molecules, 2016, 21, 520.	3.8	30
86	Control of biofilm-associated infections by signaling molecules and nanoparticles. International Journal of Pharmaceutics, 2016, 510, 409-418.	5.2	30
87	Nanosystems for Improved Targeted Therapies in Melanoma. Journal of Clinical Medicine, 2020, 9, 318.	2.4	30
88	Identification and phenotypic characterization of the most frequent bacterial etiologies in chronic skin ulcers. Romanian Journal of Morphology and Embryology, 2014, 55, 1401-8.	0.8	29
89	Efficient surface functionalization of wound dressings by a phytoactive nanocoating refractory to Candida albicans biofilm development. Biointerphases, 2013, 8, 12.	1.6	28
90	MAPLE Coatings Embedded with Essential Oil-Conjugated Magnetite for Anti-Biofilm Applications. Materials, 2021, 14, 1612.	2.9	27

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91	Eugenol-Functionalized Magnetite Nanoparticles Modulate Virulence and Persistence in Pseudomonas aeruginosa Clinical Strains. Molecules, 2021, 26, 2189.	3.8	27
92	Hybrid nanostructured coating for increased resistance of prosthetic devices to staphylococcal colonization. Nanoscale Research Letters, 2013, 8, 6.	5.7	26
93	Antimicrobial Nanostructured Bioactive Coating Based on Fe3O4 and Patchouli Oil for Wound Dressing. Metals, 2016, 6, 103.	2.3	26
94	Bioactive ZnO Coatings Deposited by MAPLEâ€"An Appropriate Strategy to Produce Efficient Anti-Biofilm Surfaces. Molecules, 2016, 21, 220.	3.8	26
95	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
96	Inorganic Nanoparticles in Bone Healing Applications. Pharmaceutics, 2022, 14, 770.	4.5	26
97	Fabrication of magnetite-based coreâ€“shell coated nanoparticles with antibacterial properties. Biofabrication, 2015, 7, 015014.	7.1	25
98	Silver nanoparticles in cancer therapy. , 2016, , 29-56.		25
99	Magnetic Particles for Advanced Molecular Diagnosis. Materials, 2019, 12, 2158.	2.9	25
100	Prevention of Microbial Communities: Novel Approaches Based Natural Products. Current Pharmaceutical Biotechnology, 2015, 16, 94-111.	1.6	25
101	An Up-to-Date Review of Natural Nanoparticles for Cancer Management. Pharmaceutics, 2022, 14, 18.	4.5	25
102	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
103	MAPLE deposition of Nigella sativa functionalized Fe3O4 nanoparticles for antimicrobial coatings. Applied Surface Science, 2018, 455, 513-521.	6.1	24
104	Biosensors-on-Chip: An Up-to-Date Review. Molecules, 2020, 25, 6013.	3.8	24
105	Scar-Free Healing: Current Concepts and Future Perspectives. Nanomaterials, 2020, 10, 2179.	4.1	24
106	Biomedical Applications of Synthetic, Biodegradable Polymers for the Development of Anti-Infective Strategies. Current Medicinal Chemistry, 2014, 21, 3383-3390.	2.4	24
107	Essential Oils and Nanotechnology for Combating Microbial Biofilms. Current Organic Chemistry, 2013, 17, 90-96.	1.6	24
108	Coreâ€shell structure microcapsules with dual pHâ€responsive drug release function. Electrophoresis, 2014, 35, 2673-2680.	2.4	23

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109	Antibiofilm Coatings Based on PLGA and Nanostructured Cefepime-Functionalized Magnetite. Nanomaterials, 2018, 8, 633.	4.1	23
110	Fabrication, Characterization, and Evaluation of Bionanocomposites Based on Natural Polymers and Antibiotics for Wound Healing Applications. Molecules, 2016, 21, 761.	3.8	22
111	Smart Synthetic Polymer Nanocarriers for Controlled and Site-Specific Drug Delivery. Current Topics in Medicinal Chemistry, 2015, 15, 1424-1490.	2.1	22
112	Novel Trends into the Development of Natural Hydroxyapatite-Based Polymeric Composites for Bone Tissue Engineering. Polymers, 2022, 14, 899.	4.5	22
113	Magnetic core/shell nanoparticle thin films deposited by MAPLE: Investigation by chemical, morphological and in vitro biological assays. Applied Surface Science, 2012, 258, 9250-9255.	6.1	21
114	New silica nanostructure for the improved delivery of topical antibiotics used in the treatment of staphylococcal cutaneous infections. International Journal of Pharmaceutics, 2014, 463, 170-176.	5.2	21
115	New Molecular Strategies for Reducing Implantable Medical Devices Associated Infections. Current Medicinal Chemistry, 2014, 21, 3375-3382.	2.4	21
116	Synthesis of uniform coreâ€“shell gelatinâ€“alginate microparticles as intestineâ€released oral delivery drug carrier. Electrophoresis, 2014, 35, 330-336.	2.4	21
117	Inorganic nanoarchitectonics designed for drug delivery and anti-infective surfaces. , 2016, , 301-327.		21
118	Contrast Agents Delivery: An Up-to-Date Review of Nanodiagnostics in Neuroimaging. Nanomaterials, 2019, 9, 542.	4.1	21
119	Metallic-Based Micro and Nanostructures with Antimicrobial Activity. Current Topics in Medicinal Chemistry, 2015, 15, 1577-1582.	2.1	21
120	Polymer-Based Nanosystemsâ€”A Versatile Delivery Approach. Materials, 2021, 14, 6812.	2.9	21
121	Mesoporous silica coatings for cephalosporin active release at the bone-implant interface. Applied Surface Science, 2016, 374, 165-171.	6.1	20
122	Regenerative Wound Dressings for Skin Cancer. Cancers, 2020, 12, 2954.	3.7	20
123	Iron oxide nanoparticles modulate the interaction of different antibiotics with cellular membranes. Romanian Journal of Morphology and Embryology, 2014, 55, 849-56.	0.8	20
124	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
125	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
126	Novel Drug Delivery Magnetite Nano-systems Used in Antimicrobial Therapy. Current Organic Chemistry, 2014, 18, 185-191.	1.6	19

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127	Bee-Derived Products: Chemical Composition and Applications in Skin Tissue Engineering. Pharmaceutics, 2022, 14, 750.	4.5	19
128	In vitro evaluation of anti-pathogenic surface coating nanofluid, obtained by combining Fe3O4/C12 nanostructures and 2-((4-ethylphenoxy)methyl)-N-(substituted-phenylcarbamothioyl)-benzamides. Nanoscale Research Letters, 2012, 7, 513.	5.7	18
129	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
130	Natural products used forÂfood preservation. , 2017, , 365-411.		18
131	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
132	Biomedical Applications of Natural Polymers for Drug Delivery. Current Organic Chemistry, 2014, 18, 152-164.	1.6	18
133	Surface Modification to Modulate Microbial Biofilmsâ€"Applications in Dental Medicine. Materials, 2021, 14, 6994.	2.9	18
134	Biocompatible Magnetic Hollow Silica Microspheres for Drug Delivery. Current Organic Chemistry, 2013, 17, 1029-1033.	1.6	17
135	Magnetite Nanoparticles Functionalized with Therapeutic Agents for Enhanced ENT Antimicrobial Properties. Antibiotics, 2022, 11, 623.	3.7	17
136	Synthesis of uniform poly(d,lâ€lactide) and poly(d,lâ€lactideâ€coâ€glycolide) microspheres using a microfluidic chip for comparison. Electrophoresis, 2014, 35, 316-322.	2.4	16
137	Unexpected Ferromagnetismâ€"A Review. Applied Sciences (Switzerland), 2021, 11, 6707.	2.5	16
138	Metal Based Frameworks for Drug Delivery Systems. Current Topics in Medicinal Chemistry, 2015, 15, 1532-1542.	2.1	16
139	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
140	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
141	Nanomaterial-Based Approaches for Neural Regeneration. Pharmaceutics, 2019, 11, 266.	4.5	15
142	Bioactive Coatings Based on Hydroxyapatite, Kanamycin, and Growth Factor for Biofilm Modulation. Antibiotics, 2021, 10, 160.	3.7	15
143	Nanoparticles for the Treatment of Inner Ear Infections. Nanomaterials, 2021, 11, 1311.	4.1	15
144	Biomaterials for the Prevention of Oral Candidiasis Development. Pharmaceutics, 2021, 13, 803.	4.5	15

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145	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
146	A Microfluidic Chip Using Phenol Formaldehyde Resin for Uniform-Sized Polycaprolactone and Chitosan Microparticle Generation. Molecules, 2013, 18, 6521-6531.	3.8	14
147	Antimicrobial applications of MAPLE processed coatings based on PLGA and lincomycin functionalized magnetite nanoparticles. Applied Surface Science, 2019, 484, 587-599.	6.1	14
148	Essential Oils for Bone Repair and Regenerationâ€"Mechanisms and Applications. Materials, 2021, 14, 1867.	2.9	14
149	Biofilm-Resistant Nanocoatings Based on ZnO Nanoparticles and Linalool. Nanomaterials, 2021, 11, 2564.	4.1	14
150	Anti-Biofilm Coatings Based on Chitosan and Lysozyme Functionalized Magnetite Nanoparticles. Antibiotics, 2021, 10, 1269.	3.7	14
151	New Applications of Lipid and Polymer-Based Nanoparticles for Nucleic Acids Delivery. Pharmaceutics, 2021, 13, 2053.	4.5	14
152	PEG-Functionalized Magnetite Nanoparticles for Modulation of Microbial Biofilms on Voice Prosthesis. Antibiotics, 2022, 11, 39.	3.7	14
153	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, 63-69.	5.2	13
154	Synthesis and Characterization of Oil-Chitosan Composite Spheres. Molecules, 2013, 18, 5749-5760.	3.8	13
155	Hydroxyapatite Particlesâ€"Directing the Cellular Activity in Bone Regeneration Processes: An Up-To-Date Review. Applied Sciences (Switzerland), 2020, 10, 3483.	2.5	13
156	Synthesis of Magnetite Nanoparticles through a Lab-On-Chip Device. Materials, 2021, 14, 5906.	2.9	13
157	Novel Strategies for Spinal Cord Regeneration. International Journal of Molecular Sciences, 2022, 23, 4552.	4.1	13
158	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
159	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
160	Natural and synthetic polymers for drug delivery and targeting. , 2016, , 229-284.		12
161	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
162	Methods for Synthesizing the Macromolecular Constituents of Smart Nanosized Carriers for Controlled Drug Delivery. Current Medicinal Chemistry, 2014, 21, 3333-3374.	2.4	11

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163	In vivo evaluation of Feâ‚ƒOâ„ nanoparticles. Romanian Journal of Morphology and Embryology, 2014, 55, 1013-8.	0.8	11
164	Optimized Anti-pathogenic Agents Based on Core/Shell Nanostructures and 2-((4-Ethylphenoxy)ethyl)-N-(substituted-phenylcarbamothioyl)-benzamides. International Journal of Molecular Sciences, 2012, 13, 12584-12597.	4.1	10
165	Editorial (Thematic Issue: Prevention of Microbial Biofilms - The Contribution of Micro and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	2.4	10
166	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
167	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
168	Quorum Sensing Inhibitors from the Sea: Lessons from Marine Symbiotic Relationships. Current Organic Chemistry, 2014, 18, 823-839.	1.6	10
169	Recent Advances in Managing Spinal Intervertebral Discs Degeneration. International Journal of Molecular Sciences, 2022, 23, 6460.	4.1	10
170	Carboxymethyl-cellulose/Fe3O4 nanostructures for antimicrobial substances delivery. Bio-Medical Materials and Engineering, 2014, 24, 1639-1646.	0.6	9
171	Microbial colonization of biopolymeric thin films containing natural compounds and antibiotics fabricated by MAPLE. Applied Surface Science, 2015, 336, 234-239.	6.1	9
172	Biocompatible hybrid silica nanobiocomposites for the efficient delivery of anti-staphylococcal drugs. International Journal of Pharmaceutics, 2016, 510, 532-542.	5.2	9
173	Gold nanoparticles: advances in water purification approaches. , 2017, , 447-477.		9
174	Natural Compounds for Preventing Ear, Nose, and Throat-Related Oral Infections. Plants, 2021, 10, 1847.	3.5	9
175	Magnetic Nanoparticles for Controlling in vitro Fungal Biofilms. Current Organic Chemistry, 2013, 17, 1023-1028.	1.6	9
176	Carbon nanotubes for cancer therapy and neurodegenerative diseases. Romanian Journal of Morphology and Embryology, 2015, 56, 349-56.	0.8	9
177	Bioactive Coatings Loaded with Osteogenic Protein for Metallic Implants. Polymers, 2021, 13, 4303.	4.5	9
178	Tumor Marker Detection by Aptamer-Functionalized Graphene Oxide. Current Organic Chemistry, 2013, 17, 132-136.	1.6	8
179	One-step synthesis of platinum nanoparticles loaded in alginate bubbles. Nanoscale Research Letters, 2014, 9, 277.	5.7	8
180	Bioengineered nanomaterials for chemotherapy. , 2017, , 23-49.		8

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181	Polyphenols of Honeybee Origin with Applications in Dental Medicine. Antibiotics, 2020, 9, 856.	3.7	8
182	Wound Dressing Based Collagen Biomaterials Containing Usnic Acid as Quorum Sensing Inhibitor Agent: Synthesis, Characterization and Bioevaluation. Current Organic Chemistry, 2013, 17, 125-131.	1.6	8
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