

# Alexandru Mihai Grumezescu

## List of Publications by Year in descending order

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257  
papers

10,218  
citations

43973

48  
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46693

89  
g-index

269  
all docs

269  
docs citations

269  
times ranked

12285  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomedical Applications of Silver Nanoparticles: An Up-to-Date Overview. <i>Nanomaterials</i> , 2018, 8, 681.	1.9	828
2	Natural and synthetic polymers for wounds and burns dressing. <i>International Journal of Pharmaceutics</i> , 2014, 463, 127-136.	2.6	826
3	Treatment Strategies for Infected Wounds. <i>Molecules</i> , 2018, 23, 2392.	1.7	421
4	Tumor Angiogenesis and Anti-Angiogenic Strategies for Cancer Treatment. <i>Journal of Clinical Medicine</i> , 2020, 9, 84.	1.0	286
5	Nanomaterials for Wound Healing and Infection Control. <i>Materials</i> , 2019, 12, 2176.	1.3	263
6	Methods of Synthesis, Properties and Biomedical Applications of CuO Nanoparticles. <i>Pharmaceutics</i> , 2016, 9, 75.	1.7	257
7	Fabrication and Applications of Microfluidic Devices: A Review. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2011.	1.8	241
8	Applications and Toxicity of Silver Nanoparticles: A Recent Review. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 1596-1604.	1.0	201
9	Recent trends and methodologies in gold nanoparticle synthesis – A prospective review on drug delivery aspect. <i>OpenNano</i> , 2017, 2, 37-46.	1.8	196
10	Blood-Brain Delivery Methods Using Nanotechnology. <i>Pharmaceutics</i> , 2018, 10, 269.	2.0	191
11	An Overview of Oxidative Stress, Neuroinflammation, and Neurodegenerative Diseases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5938.	1.8	176
12	Biomedical Applications of Gold Nanoparticles. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 1605-1613.	1.0	168
13	Impact of Nanoparticles on Brain Health: An Up to Date Overview. <i>Journal of Clinical Medicine</i> , 2018, 7, 490.	1.0	142
14	Nanomaterials for Wound Dressings: An Up-to-Date Overview. <i>Molecules</i> , 2020, 25, 2699.	1.7	126
15	An Updated Review on Silver Nanoparticles in Biomedicine. <i>Nanomaterials</i> , 2020, 10, 2318.	1.9	121
16	Magnetite nanoparticles: Synthesis methods – A comparative review. <i>Methods</i> , 2022, 199, 16-27.	1.9	118
17	Hybrid magnetite nanoparticles/Rosmarinus officinalis essential oil nanobiosystem with antibiofilm activity. <i>Nanoscale Research Letters</i> , 2012, 7, 209.	3.1	111
18	Neurotoxicity of Nanomaterials: An Up-to-Date Overview. <i>Nanomaterials</i> , 2019, 9, 96.	1.9	109

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19	Photodynamic Therapy—An Up-to-Date Review. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3626.	1.3	105
20	Nanomaterials for Drug Delivery to the Central Nervous System. <i>Nanomaterials</i> , 2019, 9, 371.	1.9	96
21	Nanocoatings for Chronic Wound Repair—Modulation of Microbial Colonization and Biofilm Formation. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1179.	1.8	90
22	Hydrogel Dressings for the Treatment of Burn Wounds: An Up-To-Date Overview. <i>Materials</i> , 2020, 13, 2853.	1.3	90
23	Polymeric Nanoparticles for Antimicrobial Therapies: An up-to-date Overview. <i>Polymers</i> , 2021, 13, 724.	2.0	86
24	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.	1.8	84
25	Nanobiomaterials Used in Cancer Therapy: An Up-To-Date Overview. <i>Molecules</i> , 2019, 24, 3547.	1.7	81
26	Inorganic Nanoparticles and Composite Films for Antimicrobial Therapies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4595.	1.8	81
27	Nanomaterials Synthesis through Microfluidic Methods: An Updated Overview. <i>Nanomaterials</i> , 2021, 11, 864.	1.9	77
28	The Effect of Silver Nanoparticles on Antioxidant/Pro-Oxidant Balance in a Murine Model. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1233.	1.8	75
29	Electrospun Fiber Pads of Cellulose Acetate and Essential Oils with Antimicrobial Activity. <i>Nanomaterials</i> , 2017, 7, 84.	1.9	74
30	Neurotransmitters—Key Factors in Neurological and Neurodegenerative Disorders of the Central Nervous System. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5954.	1.8	71
31	In vitro and in vivo studies of novel fabricated bioactive dressings based on collagen and zinc oxide 3D scaffolds. <i>International Journal of Pharmaceutics</i> , 2019, 557, 199-207.	2.6	68
32	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.	2.6	67
33	Applications of Chitosan-Alginate-Based Nanoparticles—An Up-to-Date Review. <i>Nanomaterials</i> , 2022, 12, 186.	1.9	67
34	Antioxidant Therapies for Neuroprotection—A Review. <i>Journal of Clinical Medicine</i> , 2019, 8, 1659.	1.0	65
35	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.	3.1	64
36	New Insights of Scaffolds Based on Hydrogels in Tissue Engineering. <i>Polymers</i> , 2022, 14, 799.	2.0	63

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37	Biocompatible Fe <sub>3</sub> O <sub>4</sub> Increases the Efficacy of Amoxicillin Delivery against Gram-Positive and Gram-Negative Bacteria. <i>Molecules</i> , 2014, 19, 5013-5027.	1.7	59
38	An Up-to-Date Review of Biomaterials Application in Wound Management. <i>Polymers</i> , 2022, 14, 421.	2.0	59
39	Magnetite Nanostructures as Novel Strategies for Anti-Infectious Therapy. <i>Molecules</i> , 2014, 19, 12710-12726.	1.7	58
40	Neuronanomedicine: An Up-to-Date Overview. <i>Pharmaceutics</i> , 2019, 11, 101.	2.0	54
41	Inhibitory Activity of Fe <sub>3</sub> O <sub>4</sub> /Oleic Acid/Usnic Acid Core/Shell/Extra-Shell Nanofluid on <i>S. aureus</i> Biofilm Development. <i>IEEE Transactions on Nanobioscience</i> , 2011, 10, 269-274.	2.2	53
42	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.	2.6	53
43	Cardiovascular Stents: A Review of Past, Current, and Emerging Devices. <i>Materials</i> , 2021, 14, 2498.	1.3	53
44	Clinical Applications of Artificial Intelligence—An Updated Overview. <i>Journal of Clinical Medicine</i> , 2022, 11, 2265.	1.0	53
45	Polymeric protective agents for nanoparticles in drug delivery and targeting. <i>International Journal of Pharmaceutics</i> , 2016, 510, 419-429.	2.6	52
46	Magnetite nanoparticles for functionalized textile dressing to prevent fungal biofilms development. <i>Nanoscale Research Letters</i> , 2012, 7, 501.	3.1	51
47	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.	3.1	51
48	Modified wound dressing with phyto-nanostructured coating to prevent staphylococcal and pseudomonal biofilm development. <i>Nanoscale Research Letters</i> , 2012, 7, 690.	3.1	50
49	Cellulose acetate - essential oil nanocapsules with antimicrobial activity for biomedical applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 172, 471-479.	2.5	50
50	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.	1.0	49
51	Efficiency of Vanilla, Patchouli and Ylang Ylang Essential Oils Stabilized by Iron Oxide@C14 Nanostructures against Bacterial Adherence and Biofilms Formed by <i>Staphylococcus aureus</i> and <i>Klebsiella pneumoniae</i> Clinical Strains. <i>Molecules</i> , 2014, 19, 17943-17956.	1.7	49
52	Improved antibacterial activity of cephalosporins loaded in magnetic chitosan microspheres. <i>International Journal of Pharmaceutics</i> , 2012, 436, 201-205.	2.6	47
53	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.	0.8	47
54	Polylactic Acid Lemongrass Essential Oil Nanocapsules with Antimicrobial Properties. <i>Pharmaceutics</i> , 2016, 9, 42.	1.7	46

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55	Body Fluid Biomarkers for Alzheimer's Disease: An Up-To-Date Overview. <i>Biomedicines</i> , 2020, 8, 421.	1.4	46
56	ZnO Nanoparticles-Modified Dressings to Inhibit Wound Pathogens. <i>Materials</i> , 2021, 14, 3084.	1.3	46
57	Recent Developments in Metallic Nanomaterials for Cancer Therapy, Diagnosing and Imaging Applications. <i>Pharmaceutics</i> , 2022, 14, 435.	2.0	46
58	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.	3.7	45
59	Microelectromechanical Systems (MEMS) for Biomedical Applications. <i>Micromachines</i> , 2022, 13, 164.	1.4	44
60	Current Strategies to Enhance Delivery of Drugs across the Blood-Brain Barrier. <i>Pharmaceutics</i> , 2022, 14, 987.	2.0	44
61	All natural cellulose acetate-Lemongrass essential oil antimicrobial nanocapsules. <i>International Journal of Pharmaceutics</i> , 2016, 510, 508-515.	2.6	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. <i>Nanomaterials</i> , 2020, 10, 1527.	1.9	41
63	Surface modification: A step forward to overcome the current challenges in orthopedic industry and to obtain an improved osseointegration and antimicrobial properties. <i>Materials Chemistry and Physics</i> , 2020, 243, 122579.	2.0	39
64	MAPLE Fabricated Fe <sub>3</sub> O <sub>4</sub> @Cinnamomum verum Antimicrobial Surfaces for Improved Gastrostomy Tubes. <i>Molecules</i> , 2014, 19, 8981-8994.	1.7	38
65	Silver Nanocoatings for Reducing the Exogenous Microbial Colonization of Wound Dressings. <i>Materials</i> , 2016, 9, 345.	1.3	38
66	Recent Advances in Surface Nanoengineering for Biofilm Prevention and Control. Part I: Molecular Basis of Biofilm Recalcitrance. Passive Anti-Biofouling Nanocoatings. <i>Nanomaterials</i> , 2020, 10, 1230.	1.9	38
67	Anionic polymers and 10nm Fe <sub>3</sub> O <sub>4</sub> @UA wound dressings support human foetal stem cells normal development and exhibit great antimicrobial properties. <i>International Journal of Pharmaceutics</i> , 2014, 463, 146-154.	2.6	37
68	Keratin-Based Biomaterials for Biomedical Applications. <i>Current Drug Targets</i> , 2014, 15, 518-530.	1.0	37
69	Hyaluronic acid-based scaffolds for tissue engineering. <i>Romanian Journal of Morphology and Embryology</i> , 2018, 59, 71-76.	0.4	37
70	Hybrid Nanomaterial for Stabilizing the Antibiofilm Activity of Eugenia carryophyllata Essential Oil. <i>IEEE Transactions on Nanobioscience</i> , 2012, 11, 360-365.	2.2	36
71	Functionalized magnetite silica thin films fabricated by MAPLE with antibiofilm properties. <i>Biofabrication</i> , 2013, 5, 015007.	3.7	36
72	Magnetite Nanoparticles and Essential Oils Systems for Advanced Antibacterial Therapies. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7355.	1.8	36

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73	Marine Biocompounds for Neuroprotectionâ€”A Review. <i>Marine Drugs</i> , 2020, 18, 290.	2.2	36
74	Trends in the Immunomodulatory Effects of <i>Cordyceps militaris</i> : Total Extracts, Polysaccharides and Cordycepin. <i>Frontiers in Pharmacology</i> , 2020, 11, 575704.	1.6	35
75	Novel Tumor-Targeting Nanoparticles for Cancer Treatmentâ€”A Review. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5253.	1.8	35
76	Fabrication and Cytotoxicity of Gemcitabine-Functionalized Magnetite Nanoparticles. <i>Molecules</i> , 2017, 22, 1080.	1.7	34
77	Bone Regeneration and Oxidative Stress: An Updated Overview. <i>Antioxidants</i> , 2022, 11, 318.	2.2	34
78	Bioactive mesoporous silica nanostructures with anti-microbial and anti-biofilm properties. <i>International Journal of Pharmaceutics</i> , 2017, 531, 35-46.	2.6	33
79	Electrospun Polyethylene Terephthalate Nanofibers Loaded with Silver Nanoparticles: Novel Approach in Anti-Infective Therapy. <i>Journal of Clinical Medicine</i> , 2019, 8, 1039.	1.0	33
80	Recent Advances in the Treatment of Bone Metastases and Primary Bone Tumors: An Up-to-Date Review. <i>Cancers</i> , 2021, 13, 4229.	1.7	33
81	Fabrication, characterization and in vitro profile based interaction with eukaryotic and prokaryotic cells of alginateâ€”chitosanâ€”silica biocomposite. <i>International Journal of Pharmaceutics</i> , 2013, 441, 555-561.	2.6	32
82	Plackettâ€”Burman experimental design for bacterial celluloseâ€”silica composites synthesis. <i>Materials Science and Engineering C</i> , 2014, 42, 280-288.	3.8	32
83	Antimicrobial nanospheres thin coatings prepared by advanced pulsed laser technique. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 872-880.	1.5	31
84	Bioactive Surfaces of Polylactide and Silver Nanoparticles for the Prevention of Microbial Contamination. <i>Materials</i> , 2020, 13, 768.	1.3	31
85	Antimicrobial Lemongrass Essential Oilâ€”Copper Ferrite Cellulose Acetate Nanocapsules. <i>Molecules</i> , 2016, 21, 520.	1.7	30
86	Control of biofilm-associated infections by signaling molecules and nanoparticles. <i>International Journal of Pharmaceutics</i> , 2016, 510, 409-418.	2.6	30
87	Nanosystems for Improved Targeted Therapies in Melanoma. <i>Journal of Clinical Medicine</i> , 2020, 9, 318.	1.0	30
88	Identification and phenotypic characterization of the most frequent bacterial etiologies in chronic skin ulcers. <i>Romanian Journal of Morphology and Embryology</i> , 2014, 55, 1401-8.	0.4	29
89	Efficient surface functionalization of wound dressings by a phytoactive nanocoating refractory to <i>Candida albicans</i> biofilm development. <i>Biointerphases</i> , 2013, 8, 12.	0.6	28
90	MAPLE Coatings Embedded with Essential Oil-Conjugated Magnetite for Anti-Biofilm Applications. <i>Materials</i> , 2021, 14, 1612.	1.3	27

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91	Eugenol-Functionalized Magnetite Nanoparticles Modulate Virulence and Persistence in <i>Pseudomonas aeruginosa</i> Clinical Strains. <i>Molecules</i> , 2021, 26, 2189.	1.7	27
92	Hybrid nanostructured coating for increased resistance of prosthetic devices to staphylococcal colonization. <i>Nanoscale Research Letters</i> , 2013, 8, 6.	3.1	26
93	Antimicrobial Nanostructured Bioactive Coating Based on Fe <sub>3</sub> O <sub>4</sub> and Patchouli Oil for Wound Dressing. <i>Metals</i> , 2016, 6, 103.	1.0	26
94	Bioactive ZnO Coatings Deposited by MAPLE—An Appropriate Strategy to Produce Efficient Anti-Biofilm Surfaces. <i>Molecules</i> , 2016, 21, 220.	1.7	26
95	Modified Composite Based on Magnetite and Polyvinyl Alcohol: Synthesis, Characterization, and Degradation Studies of the Methyl Orange Dye from Synthetic Wastewater. <i>Polymers</i> , 2021, 13, 3911.	2.0	26
96	Inorganic Nanoparticles in Bone Healing Applications. <i>Pharmaceutics</i> , 2022, 14, 770.	2.0	26
97	Fabrication of magnetite-based core-shell coated nanoparticles with antibacterial properties. <i>Biofabrication</i> , 2015, 7, 015014.	3.7	25
98	Silver nanoparticles in cancer therapy. , 2016, , 29-56.		25
99	Magnetic Particles for Advanced Molecular Diagnosis. <i>Materials</i> , 2019, 12, 2158.	1.3	25
100	Prevention of Microbial Communities: Novel Approaches Based Natural Products. <i>Current Pharmaceutical Biotechnology</i> , 2015, 16, 94-111.	0.9	25
101	An Up-to-Date Review of Natural Nanoparticles for Cancer Management. <i>Pharmaceutics</i> , 2022, 14, 18.	2.0	25
102	MAPLE fabrication of thin films based on kanamycin functionalized magnetite nanoparticles with anti-pathogenic properties. <i>Applied Surface Science</i> , 2015, 336, 188-195.	3.1	24
103	MAPLE deposition of <i>Nigella sativa</i> functionalized Fe <sub>3</sub> O <sub>4</sub> nanoparticles for antimicrobial coatings. <i>Applied Surface Science</i> , 2018, 455, 513-521.	3.1	24
104	Biosensors-on-Chip: An Up-to-Date Review. <i>Molecules</i> , 2020, 25, 6013.	1.7	24
105	Scar-Free Healing: Current Concepts and Future Perspectives. <i>Nanomaterials</i> , 2020, 10, 2179.	1.9	24
106	Biomedical Applications of Synthetic, Biodegradable Polymers for the Development of Anti-Infective Strategies. <i>Current Medicinal Chemistry</i> , 2014, 21, 3383-3390.	1.2	24
107	Essential Oils and Nanotechnology for Combating Microbial Biofilms. <i>Current Organic Chemistry</i> , 2013, 17, 90-96.	0.9	24
108	Core-shell structure microcapsules with dual pH-responsive drug release function. <i>Electrophoresis</i> , 2014, 35, 2673-2680.	1.3	23

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109	Antibiofilm Coatings Based on PLGA and Nanostructured Cefepime-Functionalized Magnetite. <i>Nanomaterials</i> , 2018, 8, 633.	1.9	23
110	Fabrication, Characterization, and Evaluation of Bionanocomposites Based on Natural Polymers and Antibiotics for Wound Healing Applications. <i>Molecules</i> , 2016, 21, 761.	1.7	22
111	Smart Synthetic Polymer Nanocarriers for Controlled and Site-Specific Drug Delivery. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 1424-1490.	1.0	22
112	Novel Trends into the Development of Natural Hydroxyapatite-Based Polymeric Composites for Bone Tissue Engineering. <i>Polymers</i> , 2022, 14, 899.	2.0	22
113	Magnetic core/shell nanoparticle thin films deposited by MAPLE: Investigation by chemical, morphological and in vitro biological assays. <i>Applied Surface Science</i> , 2012, 258, 9250-9255.	3.1	21
114	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.	2.6	21
115	New Molecular Strategies for Reducing Implantable Medical Devices Associated Infections. <i>Current Medicinal Chemistry</i> , 2014, 21, 3375-3382.	1.2	21
116	Synthesis of uniform core-shell gelatin-alginate microparticles as intestine-released oral delivery drug carrier. <i>Electrophoresis</i> , 2014, 35, 330-336.	1.3	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. <i>Nanomaterials</i> , 2019, 9, 542.	1.9	21
119	Metallic-Based Micro and Nanostructures with Antimicrobial Activity. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 1577-1582.	1.0	21
120	Polymer-Based Nanosystems—A Versatile Delivery Approach. <i>Materials</i> , 2021, 14, 6812.	1.3	21
121	Mesoporous silica coatings for cephalosporin active release at the bone-implant interface. <i>Applied Surface Science</i> , 2016, 374, 165-171.	3.1	20
122	Regenerative Wound Dressings for Skin Cancer. <i>Cancers</i> , 2020, 12, 2954.	1.7	20
123	Iron oxide nanoparticles modulate the interaction of different antibiotics with cellular membranes. <i>Romanian Journal of Morphology and Embryology</i> , 2014, 55, 849-56.	0.4	20
124	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.	3.1	19
125	Biocompatible cephalosporin-hydroxyapatite-poly(lactic-co-glycolic acid)-coatings fabricated by MAPLE technique for the prevention of bone implant associated infections. <i>Applied Surface Science</i> , 2016, 374, 387-396.	3.1	19
126	Novel Drug Delivery Magnetite Nano-systems Used in Antimicrobial Therapy. <i>Current Organic Chemistry</i> , 2014, 18, 185-191.	0.9	19



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127	Bee-Derived Products: Chemical Composition and Applications in Skin Tissue Engineering. <i>Pharmaceutics</i> , 2022, 14, 750.	2.0	19
128	In vitro evaluation of anti-pathogenic surface coating nanofluid, obtained by combining Fe <sub>3</sub> O <sub>4</sub> /C12 nanostructures and 2-((4-ethylphenoxy)methyl)-N-(substituted-phenylcarbamothioyl)-benzamides. <i>Nanoscale Research Letters</i> , 2012, 7, 513.	3.1	18
129	Thin coatings based on ZnO@C18-uscnic acid nanoparticles prepared by MAPLE inhibit the development of <i>Salmonella enterica</i> early biofilm growth. <i>Applied Surface Science</i> , 2016, 374, 318-325.	3.1	18
130	Natural products used for food preservation. , 2017, , 365-411.		18
131	Anti-Cancer Nanopowders and MAPLE-Fabricated Thin Films Based on SPIONs Surface Modified with Paclitaxel Loaded $\beta$ -Cyclodextrin. <i>Pharmaceutics</i> , 2021, 13, 1356.	2.0	18
132	Biomedical Applications of Natural Polymers for Drug Delivery. <i>Current Organic Chemistry</i> , 2014, 18, 152-164.	0.9	18
133	Surface Modification to Modulate Microbial Biofilms Applications in Dental Medicine. <i>Materials</i> , 2021, 14, 6994.	1.3	18
134	Biocompatible Magnetic Hollow Silica Microspheres for Drug Delivery. <i>Current Organic Chemistry</i> , 2013, 17, 1029-1033.	0.9	17
135	Magnetite Nanoparticles Functionalized with Therapeutic Agents for Enhanced ENT Antimicrobial Properties. <i>Antibiotics</i> , 2022, 11, 623.	1.5	17
136	Synthesis of uniform poly(d,l-lactide) and poly(d,l-lactide-co-glycolide) microspheres using a microfluidic chip for comparison. <i>Electrophoresis</i> , 2014, 35, 316-322.	1.3	16
137	Unexpected Ferromagnetism A Review. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6707.	1.3	16
138	Metal Based Frameworks for Drug Delivery Systems. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 1532-1542.	1.0	16
139	MAPLE fabricated coatings based on magnetite nanoparticles embedded into biopolymeric spheres resistant to microbial colonization. <i>Applied Surface Science</i> , 2018, 448, 230-236.	3.1	15
140	Novel Hybrid Formulations Based on Thiourea Derivatives and Core@Shell Fe <sub>3</sub> O <sub>4</sub> @C18 Nanostructures for the Development of Antifungal Strategies. <i>Nanomaterials</i> , 2018, 8, 47.	1.9	15
141	Nanomaterial-Based Approaches for Neural Regeneration. <i>Pharmaceutics</i> , 2019, 11, 266.	2.0	15
142	Bioactive Coatings Based on Hydroxyapatite, Kanamycin, and Growth Factor for Biofilm Modulation. <i>Antibiotics</i> , 2021, 10, 160.	1.5	15
143	Nanoparticles for the Treatment of Inner Ear Infections. <i>Nanomaterials</i> , 2021, 11, 1311.	1.9	15
144	Biomaterials for the Prevention of Oral Candidiasis Development. <i>Pharmaceutics</i> , 2021, 13, 803.	2.0	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.	0.4	15
146	A Microfluidic Chip Using Phenol Formaldehyde Resin for Uniform-Sized Polycaprolactone and Chitosan Microparticle Generation. Molecules, 2013, 18, 6521-6531.	1.7	14
147	Antimicrobial applications of MAPLE processed coatings based on PLGA and lincomycin functionalized magnetite nanoparticles. Applied Surface Science, 2019, 484, 587-599.	3.1	14
148	Essential Oils for Bone Repair and Regeneration—Mechanisms and Applications. Materials, 2021, 14, 1867.	1.3	14
149	Biofilm-Resistant Nanocoatings Based on ZnO Nanoparticles and Linalool. Nanomaterials, 2021, 11, 2564.	1.9	14
150	Anti-Biofilm Coatings Based on Chitosan and Lysozyme Functionalized Magnetite Nanoparticles. Antibiotics, 2021, 10, 1269.	1.5	14
151	New Applications of Lipid and Polymer-Based Nanoparticles for Nucleic Acids Delivery. Pharmaceutics, 2021, 13, 2053.	2.0	14
152	PEG-Functionalized Magnetite Nanoparticles for Modulation of Microbial Biofilms on Voice Prosthesis. Antibiotics, 2022, 11, 39.	1.5	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.	2.6	13
154	Synthesis and Characterization of Oil-Chitosan Composite Spheres. Molecules, 2013, 18, 5749-5760.	1.7	13
155	Hydroxyapatite Particles—Directing the Cellular Activity in Bone Regeneration Processes: An Up-To-Date Review. Applied Sciences (Switzerland), 2020, 10, 3483.	1.3	13
156	Synthesis of Magnetite Nanoparticles through a Lab-On-Chip Device. Materials, 2021, 14, 5906.	1.3	13
157	Novel Strategies for Spinal Cord Regeneration. International Journal of Molecular Sciences, 2022, 23, 4552.	1.8	13
158	Bioevaluation of Novel Anti-Biofilm Coatings Based on PVP/Fe <sub>3</sub> O <sub>4</sub> Nanostructures and 2-((4-Ethylphenoxy)methyl)-N-(arylcabamothioyl)benzamides. Molecules, 2014, 19, 12011-12030.	1.7	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.	1.1	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.	1.1	11
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