

Ovidiu-Cristian Oprea

List of Publications by Year in descending order

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121
papers

2,937
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136885

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121
docs citations

121
times ranked

3162
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodegradable Antimicrobial Food Packaging: Trends and Perspectives. <i>Foods</i> , 2020, 9, 1438.	1.9	179
2	Synthesis and characterization of a novel controlled release zinc oxide/gentamicin-chitosan composite with potential applications in wounds care. <i>International Journal of Pharmaceutics</i> , 2014, 463, 161-169.	2.6	108
3	Lipid nanoparticles based on omega-3 fatty acids as effective carriers for lutein delivery. Preparation and in vitro characterization studies. <i>Journal of Functional Foods</i> , 2013, 5, 1260-1269.	1.6	106
4	The role of doping on the structural and functional properties of BiFe _{1-x} MnxO ₃ magnetoelectric ceramics. <i>Journal of Alloys and Compounds</i> , 2010, 504, 420-426.	2.8	103
5	Biodegradable Alginate Films with ZnO Nanoparticles and Citronella Essential Oil—A Novel Antimicrobial Structure. <i>Pharmaceutics</i> , 2021, 13, 1020.	2.0	85
6	Innovative Antimicrobial Chitosan/ZnO/Ag NPs/Citronella Essential Oil Nanocomposite—Potential Coating for Grapes. <i>Foods</i> , 2020, 9, 1801.	1.9	81
7	Ketamine Analgesic Effect by Continuous Intravenous Infusion in Refractory Cancer Pain: Considerations about the Clinical Research in Palliative Care. <i>Journal of Palliative Medicine</i> , 2012, 15, 287-293.	0.6	68
8	Antibacterial Biodegradable Films Based on Alginate with Silver Nanoparticles and Lemongrass Essential Oil—Innovative Packaging for Cheese. <i>Nanomaterials</i> , 2021, 11, 2377.	1.9	66
9	Pb ²⁺ removal from aqueous synthetic solutions by calcium alginate and chitosan coated calcium alginate. <i>Reactive and Functional Polymers</i> , 2016, 109, 137-150.	2.0	62
10	ZnO Applications and Challenges. <i>Current Organic Chemistry</i> , 2014, 18, 192-203.	0.9	62
11	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.	2.0	59
12	Magnetite: From Synthesis to Applications. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 1622-1640.	1.0	54
13	o-Vanillin functionalized mesoporous silica-coated magnetite nanoparticles for efficient removal of Pb(II) from water. <i>Journal of Solid State Chemistry</i> , 2016, 238, 311-320.	1.4	52
14	Highly antioxidant carotene-lipid nanocarriers: synthesis and antibacterial activity. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	47
15	Synthesis of nanocrystalline cobalt ferrite through soft chemistry methods: A green chemistry approach using sesame seed extract. <i>Materials Chemistry and Physics</i> , 2016, 182, 219-230.	2.0	47
16	Design of soft lipid nanocarriers based on bioactive vegetable oils with multiple health benefits. <i>Chemical Engineering Journal</i> , 2014, 246, 311-321.	6.6	45
17	New cosmetic formulations with broad photoprotective and antioxidative activities designed by amaranth and pumpkin seed oils nanocarriers. <i>Industrial Crops and Products</i> , 2018, 123, 424-433.	2.5	45
18	Silver Based Materials for Biomedical Applications. <i>Current Organic Chemistry</i> , 2014, 18, 173-184.	0.9	45

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19	Zinc Oxide Nanoparticles for Water Purification. <i>Materials</i> , 2021, 14, 4747.	1.3	44
20	Cysteine-functionalized silica-coated magnetite nanoparticles as potential nanoadsorbents. <i>Journal of Solid State Chemistry</i> , 2017, 253, 318-328.	1.4	43
21	Optimized Synthesis Approaches of Metal Nanoparticles with Antimicrobial Applications. <i>Journal of Nanomaterials</i> , 2020, 2020, 1-14.	1.5	42
22	Antibacterial Activity of Bacterial Cellulose Loaded with Bacitracin and Amoxicillin: In Vitro Studies. <i>Molecules</i> , 2020, 25, 4069.	1.7	41
23	Antimicrobial Chitosan based Formulations with Impact on Different Biomedical Applications. <i>Current Pharmaceutical Biotechnology</i> , 2015, 16, 128-136.	0.9	41
24	Effect of surfactant concentration on textural, morphological and magnetic properties of CoFe ₂ O ₄ nanoparticles and evaluation of their adsorptive capacity for Pb(II) ions. <i>Ceramics International</i> , 2015, 41, 13553-13560.	2.3	40
25	<i>Melissa officinalis</i> : Composition, Pharmacological Effects and Derived Release Systems – A Review. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3591.	1.8	39
26	Lipid nanocarriers based on natural oils with high activity against oxygen free radicals and tumor cell proliferation. <i>Materials Science and Engineering C</i> , 2015, 56, 88-94.	3.8	35
27	Schiff base-functionalized mesoporous silicas (MCM-41, HMS) as Pb(II) adsorbents. <i>RSC Advances</i> , 2018, 8, 176-189.	1.7	35
28	Coencapsulation of Butyl Methoxydibenzoylmethane and Octocrylene into Lipid Nanocarriers: UV Performance, Photostability and <i>in vitro</i> Release. <i>Photochemistry and Photobiology</i> , 2013, 89, 1085-1094.	1.3	34
29	Copper aluminate spinel by soft chemical routes. <i>Ceramics International</i> , 2016, 42, 154-164.	2.3	34
30	Smart Food Packaging Designed by Nanotechnological and Drug Delivery Approaches. <i>Coatings</i> , 2020, 10, 806.	1.2	34
31	Synthesis and characterization of nanostructured zinc oxide particles synthesized by the pyrosol method. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	33
32	Phyto-mediated nanostructured carriers based on dual vegetable actives involved in the prevention of cellular damage. <i>Materials Science and Engineering C</i> , 2016, 64, 249-259.	3.8	33
33	Control of Nanostructured Polysulfone Membrane Preparation by Phase Inversion Method. <i>Nanomaterials</i> , 2020, 10, 2349.	1.9	31
34	A new approach: Synthesis of cobalt aluminate nanoparticles using tamarind fruit extract. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019, 246, 42-48.	1.7	30
35	Metal Oxide Nanoparticles: Potential Uses in Biomedical Applications. <i>Current Proteomics</i> , 2014, 11, 139-149.	0.1	30
36	Iron Oxide-Silica Core-Shell Nanoparticles Functionalized with Essential Oils for Antimicrobial Therapies. <i>Antibiotics</i> , 2021, 10, 1138.	1.5	29

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37	Precursor methodâ€”A nonconventional route for the synthesis of ZnCr ₂ O ₄ spinel. <i>Journal of Physics and Chemistry of Solids</i> , 2013, 74, 1295-1302.	1.9	28
38	MAPLE Coatings Embedded with Essential Oil-Conjugated Magnetite for Anti-Biofilm Applications. <i>Materials</i> , 2021, 14, 1612.	1.3	27
39	Removing of the Sulfur Compounds by Impregnated Polypropylene Fibers with Silver Nanoparticles-Cellulose Derivatives for Air Odor Correction. <i>Membranes</i> , 2021, 11, 256.	1.4	27
40	Eugenol-Functionalized Magnetite Nanoparticles Modulate Virulence and Persistence in <i>Pseudomonas aeruginosa</i> Clinical Strains. <i>Molecules</i> , 2021, 26, 2189.	1.7	27
41	Properties of <i>Salvia officinalis</i> L. and <i>Thymus serpyllum</i> L. Extracts Free and Embedded into Mesopores of Silica and Titania Nanomaterials. <i>Nanomaterials</i> , 2020, 10, 820.	1.9	25
42	Antioxidant Activity of Solid Lipid Nanoparticles Loaded with Umbelliferone. <i>Soft Materials</i> , 2013, 11, 75-84.	0.8	24
43	Influence of the size and the morphology of ZnO nanoparticles on cell viability. <i>Comptes Rendus Chimie</i> , 2015, 18, 1335-1343.	0.2	24
44	Structural, magnetic and catalytic properties of cobalt chromite obtained through precursor method. <i>Materials Research Bulletin</i> , 2015, 62, 52-64.	2.7	24
45	Synthesis and Characterization of Chitosan-Coated Cobalt Ferrite Nanoparticles and Their Antimicrobial Activity. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 1932-1941.	1.9	23
46	Multifunctional Platforms Based on Graphene Oxide and Natural Products. <i>Medicina (Lithuania)</i> , 2019, 55, 230.	0.8	23
47	Azelaic acid-willow bark extract-panthenol â€” Loaded lipid nanocarriers improve the hydration effect and antioxidant action of cosmetic formulations. <i>Industrial Crops and Products</i> , 2020, 154, 112658.	2.5	23
48	Accessible Silver-Iron Oxide Nanoparticles as a Nanomaterial for Supported Liquid Membranes. <i>Nanomaterials</i> , 2021, 11, 1204.	1.9	23
49	Tb 3+ -doped alkaline-earth aluminates: Synthesis, characterization and optical properties. <i>Materials Research Bulletin</i> , 2017, 85, 240-248.	2.7	22
50	Synthesis and characterization of titania-silica fume composites and their influence on the strength of self-cleaning mortar. <i>Composites Part B: Engineering</i> , 2018, 140, 157-163.	5.9	21
51	Non-Resorbable Nanocomposite Membranes for Guided Bone Regeneration Based On Polysulfone-Quartz Fiber Grafted with Nano-TiO ₂ . <i>Nanomaterials</i> , 2019, 9, 985.	1.9	21
52	Dextran-Coated Iron Oxide Nanoparticles Loaded with Curcumin for Antimicrobial Therapies. <i>Pharmaceutics</i> , 2022, 14, 1057.	2.0	21
53	Ivy leaves extract based â€” lipid nanocarriers and their bioefficacy on antioxidant and antitumor activities. <i>RSC Advances</i> , 2016, 6, 77243-77255.	1.7	20
54	Facile Use of ZnO Nanopowders to Protect Old Manual Paper Documents. <i>Materials</i> , 2020, 13, 5452.	1.3	20

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55	Comparative Antimicrobial Activity of Silver Nanoparticles Obtained by Wet Chemical Reduction and Solvothermal Methods. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5982.	1.8	20
56	Synthesis and Characterization of Photoluminescent Ce(III) and Ce(IV) Substituted Hydroxyapatite Nanomaterials by Co-Precipitation Method: Cytotoxicity and Biocompatibility Evaluation. <i>Nanomaterials</i> , 2021, 11, 1911.	1.9	18
57	Anti-Cancer Nanopowders and MAPLE-Fabricated Thin Films Based on SPIONs Surface Modified with Paclitaxel Loaded β -Cyclodextrin. <i>Pharmaceutics</i> , 2021, 13, 1356.	2.0	18
58	Novel Graphene Oxide/Quercetin and Graphene Oxide/Juglone Nanostructured Platforms as Effective Drug Delivery Systems with Biomedical Applications. <i>Nanomaterials</i> , 2022, 12, 1943.	1.9	18
59	Investigation of nanocrystalline zinc chromite obtained by two soft chemical routes. <i>Materials Research Bulletin</i> , 2014, 49, 151-159.	2.7	17
60	Magnetite Nanoparticles Functionalized with Therapeutic Agents for Enhanced ENT Antimicrobial Properties. <i>Antibiotics</i> , 2022, 11, 623.	1.5	17
61	Mesoporous Silica Materials Loaded with Gallic Acid with Antimicrobial Potential. <i>Nanomaterials</i> , 2022, 12, 1648.	1.9	17
62	Polyamine Functionalized Magnetite Nanoparticles as Novel Adsorbents for Cu(II) Removal from Aqueous Solutions. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017, 27, 490-502.	1.9	16
63	Photoluminescent Hydroxyapatite: Eu ³⁺ Doping Effect on Biological Behaviour. <i>Nanomaterials</i> , 2019, 9, 1187.	1.9	16
64	Improving the Performance of Composite Hollow Fiber Membranes with Magnetic Field Generated Convection Application on pH Correction. <i>Membranes</i> , 2021, 11, 445.	1.4	16
65	Experimental and modeling of cadmium ions removal by chelating resins. <i>Journal of Molecular Liquids</i> , 2020, 307, 112973.	2.3	15
66	Detailed characterization of functionalized magnetite and ascertained effects. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	14
67	Biofilm-Resistant Nanocoatings Based on ZnO Nanoparticles and Linalool. <i>Nanomaterials</i> , 2021, 11, 2564.	1.9	14
68	Anti-Biofilm Coatings Based on Chitosan and Lysozyme Functionalized Magnetite Nanoparticles. <i>Antibiotics</i> , 2021, 10, 1269.	1.5	14
69	PEG-Functionalized Magnetite Nanoparticles for Modulation of Microbial Biofilms on Voice Prosthesis. <i>Antibiotics</i> , 2022, 11, 39.	1.5	14
70	Influence of basil oil extract on the antioxidant and antifungal activities of nanostructured carriers loaded with nystatin. <i>Comptes Rendus Chimie</i> , 2015, 18, 668-677.	0.2	13
71	Chromium substituted copper ferrites via gluconate precursor route. <i>Ceramics International</i> , 2015, 41, 5318-5330.	2.3	13
72	Recuperative Amino Acids Separation through Cellulose Derivative Membranes with Microporous Polypropylene Fiber Matrix. <i>Membranes</i> , 2021, 11, 429.	1.4	13

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73	Advances in Drug Delivery Systems, from 0 to 3D superstructures. <i>Current Drug Targets</i> , 2018, 19, 393-405.	1.0	13
74	Synthesis of Magnetite Nanoparticles through a Lab-On-Chip Device. <i>Materials</i> , 2021, 14, 5906.	1.3	13
75	Structural, morphological and magnetic investigations on cobalt ferrite nanoparticles obtained through green synthesis routes. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	12
76	Temperature effect over structure and photochemical properties of nanostructured SnO ₂ powders. <i>Open Chemistry</i> , 2014, 12, 909-917.	1.0	11
77	Physicochemical Characterization and Use of Heat Pretreated Commercial Instant Dry Baker's Yeast as a Potential Biosorbent for Cu(II) Removal. <i>Clean - Soil, Air, Water</i> , 2014, 42, 1632-1641.	0.7	11
78	Tunable dielectric properties in polyacrylonitrile/multiwall carbon nanotube composites. <i>Polymer Composites</i> , 2017, 38, 1741-1748.	2.3	11
79	Synthesis, Characterization and Cytotoxic Activity of Co(II), Ni(II), Cu(II), and Zn(II) Complexes with Nonsteroidal Antiinflammatory Drug Isoxicam as Ligand. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 580-591.	1.9	11
80	Osmium Nanoparticles-Polypropylene Hollow Fiber Membranes Applied in Redox Processes. <i>Nanomaterials</i> , 2021, 11, 2526.	1.9	10
81	Influence of Terbium Ions and Their Concentration on the Photoluminescence Properties of Hydroxyapatite for Biomedical Applications. <i>Nanomaterials</i> , 2021, 11, 2442.	1.9	10
82	A cross-sectional study of the forearm bone mineral density in long-term current users of the injectable contraceptive depot medroxyprogesterone acetate. <i>Contraception</i> , 2011, 84, e31-e37.	0.8	9
83	Adsorption of triclocarban (TCC) onto fullerene C ₆₀ in simulated environmental aqueous conditions. <i>Separation Science and Technology</i> , 2019, 54, 2759-2772.	1.3	9
84	Bi ^{1-x} EuxFeO ₃ Powders: Synthesis, Characterization, Magnetic and Photoluminescence Properties. <i>Nanomaterials</i> , 2019, 9, 1465.	1.9	9
85	On Physical and Chemical Characteristics of Poly(methylmethacrylate) Nanocomposites for Dental Applications. I.. <i>Materiale Plastice</i> , 2017, 54, 666-672.	0.4	9
86	Synthesis and characterization of ZnO nanostructures obtained in mixtures of ionic liquids with organic solvents. <i>Open Chemistry</i> , 2014, 12, 749-756.	1.0	8
87	Mentha piperita-mediated synthesis of cobalt aluminate nanoparticles and their photocatalytic activity. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 11220-11231.	1.1	8
88	MAGNETIC CORE SHELL STRUCTURES: from 0D to 1D assembling. <i>Current Pharmaceutical Design</i> , 2015, 21, 5301-5311.	0.9	8
89	Microwave-Assisted Sol-Gel Preparation of the Nanostructured Magnetic System for Solid-Phase Synthesis. <i>Nanomaterials</i> , 2021, 11, 3176.	1.9	8
90	Transport and Separation of the Silver Ion with decanol Liquid Membranes Based on 10-undecylenic Acid, 10-undecenol and Magnetic Nanoparticles. <i>Membranes</i> , 2021, 11, 936.	1.4	8

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91	Removal of Copper(II) from Aqueous Solutions by Biosorption-Flotation. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	7
92	Development and properties of advanced composites based on cork and nanometric silicon carbide-filled phenolic resin. <i>Bulletin of Materials Science</i> , 2018, 41, 1.	0.8	7
93	Cr(III) separation by flotation with multipolar collector. <i>Separation Science and Technology</i> , 2020, 55, 346-357.	1.3	7
94	New Approach to Prepare Willow Bark Extract—Lipid Based Nanosystems with Enhanced Antioxidant Activity. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 4080-4089.	0.9	6
95	Reactional Processes on Osmium—Polymeric Membranes for Nitrobenzimidazole Reduction. <i>Membranes</i> , 2021, 11, 633.	1.4	6
96	Hybrid Magnetic Nanostructures For Cancer Diagnosis And Therapy. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2019, 19, 6-16.	0.9	6
97	Osmium Recovery as Membrane Nanomaterials through Undecenoic Acid Reduction Method. <i>Membranes</i> , 2022, 12, 51.	1.4	6
98	CoFe _{2-x} CrxO ₄ ferrites: synthesis, characterization and their catalytic activity. <i>Chemical Papers</i> , 2018, 72, 3203-3213.	1.0	5
99	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.	2.3	5
100	Study of thermal decomposition of a zinc(II) monomethyl terephthalate complex, [Zn(CH ₃ OOC-C ₆ H ₄ COO) ₂ (OH) ₂] _n ·2H ₂ O. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 121, 691-695.	2.0	4
101	Synthesis, characterization, and biological activity of some complex combinations of nickel with L-ketoglutaric acid and 1-(o-tolyl)biguanide. <i>Comptes Rendus Chimie</i> , 2018, 21, 32-40.	0.2	4
102	Sorption of Bisphenol A in Aqueous Solutions on Irradiated and as-Grown Multiwalled Carbon Nanotubes. <i>Revista De Chimie (discontinued)</i> , 2018, 69, 1233-1239.	0.2	4
103	Crosslinked Collagenic Scaffold Behavior Evaluation by Physico-Chemical, Mechanical and Biological Assessments in an In Vitro Microenvironment. <i>Polymers</i> , 2022, 14, 2430.	2.0	4
104	Sorption of Bisphenol A (BPA) in Aqueous Solutions on Fullerene C ₆₀ . <i>Revista De Chimie (discontinued)</i> , 2018, 69, 1309-1314.	0.2	3
105	Ultrafiltration Mixed Matrix Membranes Based on Mesoporous Silica (MCM-41, HMS) Embedded in Polysulfone. <i>Revista De Chimie (discontinued)</i> , 2019, 70, 3089-3093.	0.2	3
106	Eu ³⁺ -doped ZnO nanostructures: advanced characterizations, photoluminescence and cytotoxic effect. <i>Romanian Journal of Morphology and Embryology</i> , 2017, 58, 941-952.	0.4	3
107	Study of antimicrobial effects of functionalized silver nanoparticles. <i>Romanian Journal of Morphology and Embryology</i> , 2019, 60, 939-946.	0.4	3
108	Preparation and Characterization of Ultrafiltration TiO ₂ Nanoparticles-Polysulfone Membranes. <i>Revista De Chimie (discontinued)</i> , 2017, 68, 2635-2640.	0.2	2

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109	Synthesis and crystal structure of $[La(NO_3)_3(H_2O)_2(BiPy)] \cdot 1.5(BiPy)$. Journal of Structural Chemistry, 2014, 55, 107-111.	0.3	1
110	Flax Fibres Fabric Surface Decoration with Nanoparticles - A Promising Tool for Developing Hybrid Reinforcing Agent of Thermoplastic Polymers. Fibers and Polymers, 2019, 20, 2407-2415.	1.1	1
111	Synthesis and structural analysis of complexes based on α -amino ketone derived from benzimidazole. Journal of Molecular Structure, 2021, 1228, 129716.	1.8	1
112	Multi-walled carbon nanotubes effect in polypropylene nanocomposites. Materiali in Tehnologije, 2016, 50, .	0.3	1
113	Preparation and Characterization of Fe ₃ O ₄ Magnetic Nanofluid in Vegetable Oil. Revista De Chimie (discontinued), 2019, 70, 459-464.	0.2	1
114	The Influence of EVA and PE-g-AM Compatibilizers on the Processability, Mechanical and Structural Properties of Recycled PET / HDPE Mix. , 2018, , .		1
115	Synthesis and Study of New Clathrochelates with 1-Phenyl-2-(1-Piperidiny) Ethanone Oxime Ligand. Phosphorus, Sulfur and Silicon and the Related Elements, 2001, 169, 137-140.	0.8	0
116	The Antibacterial Action of Various Silver Nanoparticles Used for the Stone Treatment. Proceedings (mdpi), 2020, 57, .	0.2	0
117	SYNTHESIS, CHARACTERIZATION AND CYTOTOXICITY EVALUATION OF Ni(II), Cu(II) AND Zn(II) COMPLEXES WITH DEOXYCHOLATE LIGAND. Farmacia, 2021, 69, 446-460.	0.1	0
118	Comparative Study of Polysulfone Matrix Based Composite Membranes Designed for Fuel Cells. Revista De Chimie (discontinued), 2018, 69, 772-776.	0.2	0
119	Identifying the Optimum Method for Modifying the Zinc Oxide Surface in order to Obtain a High Deposit Degree of the Functioning Agent. , 2018, , .		0
120	Mesoporous Silica Systems Loaded with Polyphenols. , 2022, 7, .		0
121	Fly-Ash Evaluation as Potential EOL Material Replacement of Cement in Pastes: Morpho-Structural and Physico-Chemical Properties Assessment. Materials, 2022, 15, 3092.	1.3	0