

# Alexandra A P Mansur

## List of Publications by Year in descending order

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145  
papers

7,525  
citations

61984

43  
h-index

58581

82  
g-index

150  
all docs

150  
docs citations

150  
times ranked

9744  
citing authors

#	ARTICLE	IF	CITATIONS
1	FTIR spectroscopy characterization of poly (vinyl alcohol) hydrogel with different hydrolysis degree and chemically crosslinked with glutaraldehyde. <i>Materials Science and Engineering C</i> , 2008, 28, 539-548.	7.3	1,249
2	Characterization of poly(vinyl alcohol)/poly(ethylene glycol) hydrogels and PVA-derived hybrids by small-angle X-ray scattering and FTIR spectroscopy. <i>Polymer</i> , 2004, 45, 7193-7202.	3.8	563
3	Preparation and characterization of chitosan/poly(vinyl alcohol) chemically crosslinked blends for biomedical applications. <i>Carbohydrate Polymers</i> , 2009, 76, 472-481.	10.2	429
4	Superabsorbent crosslinked carboxymethyl cellulose-PEG hydrogels for potential wound dressing applications. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 1218-1234.	7.5	292
5	Properties and biocompatibility of chitosan films modified by blending with PVA and chemically crosslinked. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 553-561.	3.6	184
6	Nanostructured poly(vinyl alcohol)/bioactive glass and poly(vinyl alcohol)/chitosan/bioactive glass hybrid scaffolds for biomedical applications. <i>Chemical Engineering Journal</i> , 2008, 137, 72-83.	12.7	174
7	Thermogelling chitosan-collagen-bioactive glass nanoparticle hybrids as potential injectable systems for tissue engineering. <i>Materials Science and Engineering C</i> , 2016, 58, 1207-1216.	7.3	147
8	Green-colloidal ZnS quantum dots/chitosan nano-photocatalysts for advanced oxidation processes: Study of the photodegradation of organic dye pollutants. <i>Applied Catalysis B: Environmental</i> , 2014, 158-159, 269-279.	20.2	143
9	Engineered 3D-scaffolds of photocrosslinked chitosan-gelatin hydrogel hybrids for chronic wound dressings and regeneration. <i>Materials Science and Engineering C</i> , 2017, 78, 690-705.	7.3	133
10	Advanced Functional Nanostructures based on Magnetic Iron Oxide Nanomaterials for Water Remediation: A Review. <i>Water Research</i> , 2021, 190, 116693.	11.3	127
11	Cytocompatibility evaluation in cell-culture systems of chemically crosslinked chitosan/PVA hydrogels. <i>Materials Science and Engineering C</i> , 2009, 29, 1574-1583.	7.3	126
12	O-carboxymethyl functionalization of chitosan: Complexation and adsorption of Cd (II) and Cr (VI) as heavy metal pollutant ions. <i>Reactive and Functional Polymers</i> , 2015, 97, 37-47.	4.1	126
13	Functionalized-chitosan/quantum dot nano-hybrids for nanomedicine applications: towards biolabeling and biosorbing phosphate metabolites. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1696.	5.8	117
14	Small-angle X-ray scattering and FTIR characterization of nanostructured poly (vinyl alcohol)/silicate hybrids for immunoassay applications. <i>Journal of Materials Science</i> , 2008, 43, 450-463.	3.7	85
15	Biomaterial with chemically engineered surface for protein immobilization. <i>Journal of Materials Science: Materials in Medicine</i> , 2005, 16, 333-340.	3.6	80
16	Synthesis and characterization of CdS quantum dots with carboxylic-functionalized poly (vinyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	3.8	80
17	Chemical functionalization of surfaces for building three-dimensional engineered biosensors. <i>Applied Surface Science</i> , 2013, 275, 347-360.	6.1	80
18	CdSe quantum dots stabilized by carboxylic-functionalized PVA: Synthesis and UV-vis spectroscopy characterization. <i>Materials Chemistry and Physics</i> , 2011, 125, 709-717.	4.0	78

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19	One-step colloidal synthesis of biocompatible water-soluble ZnS quantum dot/chitosan nanoconjugates. <i>Nanoscale Research Letters</i> , 2013, 8, 512.	5.7	75
20	Hybrid Hydrogel Composed of Carboxymethylcellulose-Silver Nanoparticles-Doxorubicin for Anticancer and Antibacterial Therapies against Melanoma Skin Cancer Cells. <i>ACS Applied Nano Materials</i> , 2019, 2, 7393-7408.	5.0	75
21	Amino acid-grafted and N-acylated chitosan thiomers: Construction of 3D bio-scaffolds for potential cartilage repair applications. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 270-282.	7.5	74
22	FTIR and UV-vis study of chemically engineered biomaterial surfaces for protein immobilization. <i>Spectroscopy</i> , 2002, 16, 351-360.	0.8	72
23	Carboxymethylcellulose/ZnCdS fluorescent quantum dot nanoconjugates for cancer cell bioimaging. <i>International Journal of Biological Macromolecules</i> , 2017, 96, 675-686.	7.5	70
24	Photoelectrochemical properties of $^{\sim}Q$ -state <sup>TM</sup> CdS particles in arachidic acid Langmuir-Blodgett films. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995, 91, 665-672.	1.7	68
25	Physico-chemical characterization of EVA-modified mortar and porcelain tiles interfaces. <i>Cement and Concrete Research</i> , 2009, 39, 1199-1208.	11.0	66
26	Biocompatibility of Nanostructured Chitosan/Poly(Vinyl Alcohol) Blends Chemically Crosslinked with Genipin for Biomedical Applications. <i>Journal of Biomedical Nanotechnology</i> , 2010, 6, 166-175.	1.1	65
27	Chitosan and carboxymethyl-chitosan capping ligands: Effects on the nucleation and growth of hydroxyapatite nanoparticles for producing biocomposite membranes. <i>Materials Science and Engineering C</i> , 2016, 59, 265-277.	7.3	62
28	Sol-gel silica based networks with controlled chemical properties. <i>Journal of Non-Crystalline Solids</i> , 2000, 273, 109-115.	3.1	61
29	Fluorescent Nanohybrids Based on Quantum Dot-Chitosan-Antibody as Potential Cancer Biomarkers. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 11403-11412.	8.0	60
30	Bifunctional magnetopolymersomes of iron oxide nanoparticles and carboxymethylcellulose conjugated with doxorubicin for hyperthermo-chemotherapy of brain cancer cells. <i>Biomaterials Science</i> , 2019, 7, 2102-2122.	5.4	60
31	Nanostructured chitosan/gelatin/bioactive glass in situ forming hydrogel composites as a potential injectable matrix for bone tissue engineering. <i>Materials Chemistry and Physics</i> , 2018, 218, 304-316.	4.0	58
32	Sol-gel derived composite from bioactive glass-polyvinyl alcohol. <i>Journal of Materials Science</i> , 2008, 43, 494-502.	3.7	57
33	Beyond biocompatibility: an approach for the synthesis of ZnS quantum dot-chitosan nano-immunoconjugates for cancer diagnosis. <i>Green Chemistry</i> , 2015, 17, 1820-1830.	9.0	54
34	Design and Development of Polysaccharide-Doxorubicin-Peptide Bioconjugates for Dual Synergistic Effects of Integrin-Targeted and Cell-Penetrating Peptides for Cancer Chemotherapy. <i>Bioconjugate Chemistry</i> , 2018, 29, 1973-2000.	3.6	54
35	Glycol chitosan/nanohydroxyapatite biocomposites for potential bone tissue engineering and regenerative medicine. <i>International Journal of Biological Macromolecules</i> , 2016, 93, 1465-1478.	7.5	52
36	Injectable chitosan/gelatin/bioactive glass nanocomposite hydrogels for potential bone regeneration: In vitro and in vivo analyses. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 811-821.	7.5	52

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37	Bioconjugation of quantum-dots with chitosan and N,N,N-trimethyl chitosan. Carbohydrate Polymers, 2012, 90, 189-196.	10.2	51
38	Bioengineered carboxymethyl cellulose-doxorubicin prodrug hydrogels for topical chemotherapy of melanoma skin cancer. Carbohydrate Polymers, 2018, 195, 401-412.	10.2	51
39	Extraction and characterization of highly purified collagen from bovine pericardium for potential bioengineering applications. Materials Science and Engineering C, 2013, 33, 790-800.	7.3	50
40	Water-soluble nanoconjugates of quantum dot-chitosan-antibody for in vitro detection of cancer cells based on enzyme-free fluorescent immunoassay. Materials Science and Engineering C, 2015, 52, 61-71.	7.3	48
41	Eco-friendly and biocompatible cross-linked carboxymethylcellulose hydrogels as adsorbents for the removal of organic dye pollutants for environmental applications. Environmental Technology (United Kingdom), 2018, 39, 2856-2872.	2.2	48
42	Surface Functionalization of Porous Glass Networks: Effects on Bovine Serum Albumin and Porcine Insulin Immobilization. Biomacromolecules, 2000, 1, 789-797.	5.4	46
43	Characterization and Accelerated Ageing of UHMWPE Used in Orthopedic Prosthesis by Peroxide. Materials, 2009, 2, 562-576.	2.9	46
44	Biomolecule-quantum dot systems for bioconjugation applications. Colloids and Surfaces B: Biointerfaces, 2011, 84, 360-368.	5.0	46
45	Nanostructured niobium oxyhydroxide dispersed Poly (3-hydroxybutyrate) (PHB) films: Highly efficient photocatalysts for degradation methylene blue dye. Applied Catalysis B: Environmental, 2016, 189, 141-150.	20.2	46
46	Synthesis and characterization of iron oxide nanoparticles/carboxymethyl cellulose core-shell nanohybrids for killing cancer cells in vitro. International Journal of Biological Macromolecules, 2019, 132, 677-691.	7.5	46
47	Enhanced Visible-Light Photoelectrochemical Conversion on TiO <sub>2</sub> Nanotubes with Bi <sub>2</sub> S <sub>3</sub> Quantum Dots Obtained by in Situ Electrochemical Method. ACS Applied Energy Materials, 2018, 1, 3636-3645.	5.1	42
48	Papain hydrolysates of casein: molecular weight profile and encapsulation in lipospheres. Journal of the Science of Food and Agriculture, 2004, 84, 1891-1900.	3.5	41
49	Quartz crystal microbalance and UV-vis absorption study of Q-State CdS particle formation in cadmium arachidate Langmuir-Blodgett films. Langmuir, 1994, 10, 899-904.	3.5	40
50	One-Step Biofunctionalization of Quantum Dots with Chitosan and N-palmitoyl Chitosan for Potential Biomedical Applications. Molecules, 2013, 18, 6550-6572.	3.8	40
51	In vitro and in vivo assessment of nanotoxicity of CdS quantum dot/aminopolysaccharide bioconjugates. Materials Science and Engineering C, 2017, 71, 412-424.	7.3	40
52	Synthesis and in vitro assessment of anticancer hydrogels composed by carboxymethylcellulose-doxorubicin as potential transdermal delivery systems for treatment of skin cancer. Journal of Molecular Liquids, 2018, 266, 425-440.	4.9	40
53	One-pot synthesis of CdS@Nb <sub>2</sub> O <sub>5</sub> core-shell nanostructures with enhanced photocatalytic activity. Applied Catalysis B: Environmental, 2014, 152-153, 403-412.	20.2	37
54	Niobium-Doped Hydroxyapatite Bioceramics: Synthesis, Characterization and In Vitro Cytocompatibility. Materials, 2015, 8, 4191-4209.	2.9	37

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55	Enzyme-Polymers Conjugated to Quantum-Dots for Sensing Applications. <i>Sensors</i> , 2011, 11, 9951-9972.	3.8	36
56	Bioengineered quantum dot/chitosan-tripeptide nanoconjugates for targeting the receptors of cancer cells. <i>International Journal of Biological Macromolecules</i> , 2016, 82, 780-789.	7.5	36
57	Physicochemical properties and antimicrobial activity of biocompatible carboxymethylcellulose-silver nanoparticle hybrids for wound dressing and epidermal repair. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45812.	2.6	36
58	Morphological, mechanical, and biocompatibility characterization of macroporous alumina scaffolds coated with calcium phosphate/PVA. <i>Journal of Materials Science</i> , 2008, 43, 510-524.	3.7	35
59	Nanocomposites of Poly(Vinyl Alcohol)/Functionalized-Multiwall Carbon Nanotubes Conjugated With Glucose Oxidase for Potential Application as Scaffolds in Skin Wound Healing. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2014, 63, 185-196.	3.4	35
60	Carboxymethyl chitosan functionalization of Bi <sub>2</sub> S <sub>3</sub> quantum dots: Towards eco-friendly fluorescent core-shell nanoprobe. <i>Carbohydrate Polymers</i> , 2016, 146, 455-466.	10.2	34
61	Multi-functional eco-friendly 3D scaffolds based on N-acyl thiolated chitosan for potential adsorption of methyl orange and antibacterial activity against <i>Pseudomonas aeruginosa</i> . <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103286.	6.7	34
62	Engineered Hybrid Scaffolds of Poly(vinyl alcohol)/Bioactive Glass for Potential Bone Engineering Applications: Synthesis, Characterization, Cytocompatibility, and Degradation. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-16.	2.7	32
63	Synthesis and characterization of chitosan-polyvinyl alcohol-bioactive glass hybrid membranes. <i>Biomater</i> , 2011, 1, 114-119.	2.6	31
64	Green synthesis of ZnS quantum dot/biopolymer photoluminescent nanoprobe for bioimaging brain cancer cells. <i>Materials Chemistry and Physics</i> , 2020, 244, 122716.	4.0	31
65	Functionalized chitosan derivatives as nonviral vectors: physicochemical properties of acylated N,N,N-trimethyl chitosan/oligonucleotide nanopolyplexes. <i>Soft Matter</i> , 2015, 11, 8113-8125.	2.7	30
66	L-cysteine and poly-L-arginine grafted carboxymethyl cellulose/Ag-In-S quantum dot fluorescent nanohybrids for in vitro bioimaging of brain cancer cells. <i>International Journal of Biological Macromolecules</i> , 2019, 133, 739-753.	7.5	30
67	Surface biofunctionalized CdS and ZnS quantum dot nanoconjugates for nanomedicine and oncology: to be or not to be nanotoxic?. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 4669-4690.	6.7	29
68	Biocompatible Fluorescent Core-Shell Nanoconjugates Based on Chitosan/Bi <sub>2</sub> S <sub>3</sub> Quantum Dots. <i>Nanoscale Research Letters</i> , 2016, 11, 187.	5.7	29
69	Gold nanoparticle-carboxymethyl cellulose nanocolloids for detection of human immunodeficiency virus type-1 (HIV-1) using laser light scattering immunoassay. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 177, 377-388.	5.0	28
70	Title is missing!. <i>Journal of Materials Science</i> , 1999, 34, 5285-5291.	3.7	27
71	Production and characterization of ceramic pieces obtained by slip casting using powder wastes. <i>Journal of Materials Processing Technology</i> , 2004, 145, 14-20.	6.3	27
72	Dual-functional supramolecular nanohybrids of quantum dot/biopolymer/chemotherapeutic drug for bioimaging and killing brain cancer cells in vitro. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 184, 110507.	5.0	27

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73	Engineered hybrid nanozyme catalyst cascade based on polysaccharide-enzyme-magnetic iron oxide nanostructures for potential application in cancer therapy. <i>Catalysis Today</i> , 2022, 388-389, 187-198.	4.4	26
74	Supramolecular magnetonano hybrids for multimodal targeted therapy of triple-negative breast cancer cells. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7166-7188.	5.8	26
75	Photoelectrochemical behaviour of Q-state CdSxSe(1 - x) particles in arachidic acid Langmuir-Blodgett films. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995, 91, 3399-3404.	1.7	25
76	Quantum dot/glycol chitosan fluorescent nanoconjugates. <i>Nanoscale Research Letters</i> , 2015, 10, 172.	5.7	25
77	Toward greener electrochemical synthesis of composition-tunable luminescent CdX-based (X = Te, Se) Tj ETQq1 1 0.784314.igBT /Over	7.8	25
78	Tunable magnetothermal properties of cobalt-doped magnetite-carboxymethylcellulose ferrofluids: smart nanoplatfoms for potential magnetic hyperthermia applications in cancer therapy. <i>Nanoscale Advances</i> , 2021, 3, 1029-1046.	4.6	25
79	One-Pot Aqueous Synthesis of Fluorescent Ag-In-Zn-S Quantum Dot/Polymer Bioconjugates for Multiplex Optical Bioimaging of Glioblastoma Cells. <i>Contrast Media and Molecular Imaging</i> , 2017, 2017, 1-15.	0.8	23
80	Fluorescent bionanoprobes based on quantum dot-chitosan-O-phospho-serine conjugates for labeling human bone marrow stromal cells. <i>RSC Advances</i> , 2014, 4, 49016-49027.	3.6	22
81	Eco-friendly AgInS2/ZnS quantum dot nano hybrids with tunable luminescent properties modulated by pH-sensitive biopolymer for potential solar energy harvesting applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 16702-16717.	2.2	22
82	3D sponges of chemically functionalized chitosan for potential environmental pollution remediation: biosorbents for anionic dye adsorption and antibiotic-free antibacterial activity. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 2046-2066.	2.2	21
83	Synthesis, neutralization and blocking procedures of organic/inorganic hybrid scaffolds for bone tissue engineering applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 529-535.	3.6	20
84	Bi-functional quantum dot-polysaccharide-antibody immunoconjugates for bioimaging and killing brain cancer cells in vitro. <i>Materials Letters</i> , 2019, 252, 333-337.	2.6	20
85	Surface modified fluorescent quantum dots with neurotransmitter ligands for potential targeting of cell signaling applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 60-70.	5.0	19
86	Synthesis of CuInS2 and CuInS2@ZnX (X= S, Se) nanoparticles for bioimaging of cancer cells using electrochemically generated S2- and Se2-. <i>Journal of Alloys and Compounds</i> , 2021, 853, 156926.	5.5	19
87	Surface interactions of chemically active ceramic tiles with polymer-modified mortars. <i>Cement and Concrete Composites</i> , 2011, 33, 742-748.	10.7	18
88	3D-macroporous hybrid scaffolds for tissue engineering: Network design and mathematical modeling of the degradation kinetics. <i>Materials Science and Engineering C</i> , 2012, 32, 404-415.	7.3	18
89	Green and facile synthesis of water-soluble ZnS quantum dots nano hybrids using chitosan derivative ligands. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	18
90	Recycled collagen films as biomaterials for controlled drug delivery. <i>New Journal of Chemistry</i> , 2016, 40, 8502-8510.	2.8	18

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91	Tunable luminescence of Cu-In-S/ZnS quantum dots-polysaccharide nanohybrids by environmentally friendly synthesis for potential solar energy photoconversion applications. Applied Surface Science, 2021, 542, 148701.	6.1	18
92	Fusion-bonded epoxy composite coatings on chemically functionalized API steel surfaces for potential deep-water petroleum exploration. Applied Adhesion Science, 2015, 3, .	1.5	17
93	Bioengineered II“VI semiconductor quantum dot“carboxymethylcellulose nanoconjugates as multifunctional fluorescent nanoprobes for bioimaging live cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 189, 393-404.	3.9	17
94	Luminescent switch of polysaccharide-peptide-quantum dot nanostructures for targeted-intracellular imaging of glioblastoma cells. Journal of Molecular Liquids, 2020, 304, 112759.	4.9	17
95	FTIR Investigation of UHMWPE Oxidation Submitted to Accelerated Aging Procedure. Macromolecular Symposia, 2010, 296, 487-492.	0.7	16
96	Cu-In-S/ZnS@carboxymethylcellulose supramolecular structures: Fluorescent nanoarchitectures for targeted-theranostics of cancer cells. Carbohydrate Polymers, 2020, 247, 116703.	10.2	15
97	Preparation, characterization and cytocompatibility of bioactive coatings on porous calcium-silicate-hydrate scaffolds. Materials Science and Engineering C, 2010, 30, 288-294.	7.3	14
98	Delivery of Splice Switching Oligonucleotides by Amphiphilic Chitosan-Based Nanoparticles. Molecular Pharmaceutics, 2016, 13, 344-356.	4.6	14
99	PET-modified red mud as catalysts for oxidative desulfurization reactions. Journal of Environmental Sciences, 2017, 57, 312-320.	6.1	14
100	Advanced Nanocomposite Coatings of Fusion Bonded Epoxy Reinforced with Amino-Functionalized Nanoparticles for Applications in Underwater Oil Pipelines. Journal of Nanomaterials, 2016, 2016, 1-16.	2.7	13
101	Composition-Tunable Optical Properties of Zn x Cd(1“x)S Quantum Dot“Carboxymethylcellulose Conjugates: Towards One-Pot Green Synthesis of Multifunctional Nanoplatforms for Biomedical and Environmental Applications. Nanoscale Research Letters, 2017, 12, 443.	5.7	13
102	Title is missing!. Adsorption, 2001, 7, 105-116.	3.0	12
103	Lignin-Hydroxyapatite/Tricalcium Phosphate Biocomposites: SEM/EDX and FTIR Characterization. Key Engineering Materials, 2005, 284-286, 745-748.	0.4	12
104	Small Angle X-Ray Scattering, FTIR and SEM Characterization of Nanostructured PVA/TEOS Hybrids by Chemical Crosslinking. Materials Research Society Symposia Proceedings, 2005, 873, 1.	0.1	12
105	Synchrotron SAXS, XRD and FTIR Characterization of Nanostructured PVA/TEOS Hybrid Cross-Linked with Glutaraldehyde. Solid State Phenomena, 0, 121-123, 855-858.	0.3	12
106	Porcelain tile surface modification with isocyanate coupling agent: interactions between EVA modified mortar and silane improving adherence. Surface and Interface Analysis, 2011, 43, 738-743.	1.8	11
107	Cytotoxicity investigation of luminescent nanohybrids based on chitosan and carboxymethyl chitosan conjugated with Bi2S3 quantum dots for biomedical applications. Toxicology Research, 2016, 5, 1017-1028.	2.1	11
108	Aqueous electrosynthesis of silver indium selenide nanocrystals and their photothermal properties. Green Chemistry, 2020, 22, 1239-1248.	9.0	11



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109	Water-soluble quantum dot/carboxylic-poly (vinyl alcohol) conjugates: Insights into the roles of nanointerfaces and defects toward enhancing photoluminescence behavior. <i>Materials Chemistry and Physics</i> , 2013, 141, 223-233.	4.0	10
110	Tunable emission of AgIn5S8 and ZnAgIn5S8 nanocrystals: electrosynthesis, characterization and optical application. <i>Materials Today Chemistry</i> , 2020, 16, 100238.	3.5	10
111	Soft matter polysaccharide-based hydrogels as versatile bioengineered platforms for brain tissue repair and regeneration. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 1091-1111.	7.5	10
112	Nanotheranostics through Mitochondria-targeted Delivery with Fluorescent Peptidomimetic Nanohybrids for Apoptosis Induction of Brain Cancer Cells. <i>Nanotheranostics</i> , 2021, 5, 213-239.	5.2	9
113	A carboxymethylcellulose-mediated aqueous colloidal process for building plasmonic/excitonic supramolecular nanoarchitectures based on gold nanoparticles/ZnS quantum emitters for cancer theranostics. <i>Green Chemistry</i> , 2021, 23, 8260-8279.	9.0	9
114	Bifunctional oxidase-peroxidase inorganic nanozyme catalytic cascade for wastewater remediation. <i>Catalysis Today</i> , 2022, 397-399, 129-144.	4.4	9
115	Synthesis and Characterization of Silica-Chitosan Porous Hybrids for Tissue Engineering. <i>Key Engineering Materials</i> , 2007, 361-363, 967-970.	0.4	8
116	Fluorescent ZnS Quantum Dots/Phosphoethanolamine Nanoconjugates for Bioimaging Live Cells in Cancer Research. <i>ACS Omega</i> , 2018, 3, 15679-15691.	3.5	8
117	Macrophage Response to UHMWPE Submitted to Accelerated Ageing in Hydrogen Peroxide. <i>Open Biomedical Engineering Journal</i> , 2010, 4, 107-112.	0.5	8
118	XRD, SEM/EDX and FTIR Characterization of Brazilian Natural Coral. <i>Key Engineering Materials</i> , 2005, 284-286, 43-46.	0.4	7
119	Preparation and characterization of 3D porous ceramic scaffolds based on portland cement for bone tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 497-505.	3.6	7
120	Multi-enzymatic Systems with Designed 3D Architectures for Constructing Food Bioanalytical Sensors. <i>Food Analytical Methods</i> , 2014, 7, 1166-1178.	2.6	7
121	Preparation and characterization of 5,10,15,20-tetraphenylporphyrin Langmuir films for gas chemsensor applications. <i>Surface and Interface Analysis</i> , 2011, 43, 1423-1429.	1.8	6
122	Fluorescent quantum dots-zika virus hybrid nanoconjugates for biolabeling, bioimaging, and tracking host-cell interactions. <i>Materials Letters</i> , 2020, 277, 128279.	2.6	6
123	Carboxymethylcellulose biofunctionalized ternary quantum dots for subcellular-targeted brain cancer nanotheranostics. <i>International Journal of Biological Macromolecules</i> , 2022, 210, 530-544.	7.5	6
124	Protein Immobilization in PVA Hydrogel: A Synchrotron SAXS and FTIR Study. <i>Solid State Phenomena</i> , 2007, 121-123, 1355-1358.	0.3	5
125	Cytocompatible Fluorescent Quantum Dot/PEG-Chitosan Bioconjugates for Nanomedicine Applications. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 4555-4564.	2.0	5
126	Comprehensive Analysis of Secreted Protein, Acidic and Rich in Cysteine in Prostate Carcinogenesis: Development of a 3D Nanostructured Bone-Like Model. <i>Journal of Biomedical Nanotechnology</i> , 2016, 12, 1667-1678.	1.1	5



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127	Bevacizumab-Conjugated Quantum Dots: <i>In Vitro</i> Antiangiogenic Potential and Biosafety in Rat Retina. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2020, 36, 467-483.	1.4	5
128	Nanohydroxyapatite reinforced chitosan and carboxymethyl-chitosan biocomposites chemically crosslinked with epichlorohydrin for potential bone tissue repair. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2022, 71, 740-755.	3.4	5
129	Hybrid Matrix Grafts to Favor Tissue Regeneration in Rabbit Femur Bone Lesions. <i>Open Biomedical Engineering Journal</i> , 2012, 6, 85-91.	0.5	5
130	Protein-semiconductor quantum dot hybrids for biomedical applications. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 1435-1438.	0.8	4
131	Synthesis and Characterization of CMC for Potential Application as Adsorbent in Water Treatment. <i>Materials Science Forum</i> , 0, 869, 750-755.	0.3	4
132	Optically photoactive Cu <sup>2+</sup> /In <sup>3+</sup> /S@ZnS core-shell quantum dots/biopolymer sensitized TiO <sub>2</sub> nanostructures for sunlight energy harvesting. <i>Optical Materials</i> , 2021, 121, 111557.	3.6	4
133	Tailoring Mechanical Behavior of PVA-Bioactive Glass Hybrid Foams. <i>Key Engineering Materials</i> , 2007, 361-363, 289-292.	0.4	3
134	Fluorescent <sup>+</sup> Magnetic Nanostructures Based on Polymer <sup>+</sup> Quantum Dots Conjugates. <i>Macromolecular Symposia</i> , 2012, 319, 114-120.	0.7	3
135	Morphological Characterization of 3D Porous Scaffolds Based on Portland Cement. <i>Key Engineering Materials</i> , 2008, 396-398, 687-690.	0.4	2
136	Improvement of viral recombinant protein-based immunoassays using nanostructured hybrids as solid support. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 513-519.	3.6	2
137	Bioengineered Fluorescent Nanoprobe Conjugates for Tracking Human Bone Cells: <i>In Vitro</i> Biocompatibility Analysis. <i>Materials</i> , 2021, 14, 4422.	2.9	2
138	Hybrid Bioactive Glass-Polyvinyl Alcohol Prepared by Sol-Gel. <i>Materials Science Forum</i> , 2008, 587-588, 62-66.	0.3	1
139	Lignin-Hydroxyapatite/Tricalcium Phosphate Biocomposites: SEM/EDX and FTIR Characterization. <i>Key Engineering Materials</i> , 0, , 745-748.	0.4	1
140	Synthesis and characterization of Cd <sub>x</sub> Mn <sub>1-x</sub> S magnetic nanoparticles stabilized with poly(vinyl alcohol) for biomedical applications. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 1446-1449.	0.8	0
141	Synthesis and Characterization of Ceramic Modified with Niobium for Biomedical Applications. <i>Materials Science Forum</i> , 0, 869, 884-889.	0.3	0
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