

Packirisamy Gopinath

List of Publications by Year in descending order

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135
papers

5,923
citations

66234

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h-index

82410

72
g-index

139
all docs

139
docs citations

139
times ranked

8502
citing authors

#	ARTICLE	IF	CITATIONS
1	Ti3C2-MXene decorated with nanostructured silver as a dual-energy acceptor for the fluorometric neuron specific enolase detection. <i>Biosensors and Bioelectronics</i> , 2022, 195, 113620.	5.3	49
2	Biopolymer based edible coating for enhancing the shelf life of horticulture products. <i>Food Chemistry Molecular Sciences</i> , 2022, 4, 100085.	0.9	21
3	Sensing and 3D printing technologies in personalized healthcare for the management of health crises including the COVID-19 outbreak. <i>Sensors International</i> , 2022, 3, 100180.	4.9	11
4	Design and Fabrication of a Dual Protein-Based Trilayered Nanofibrous Scaffold for Efficient Wound Healing. <i>ACS Applied Bio Materials</i> , 2022, 5, 2726-2740.	2.3	13
5	Electrospun polyacrylonitrile-Moringa Olifera based nanofibrous bio-sorbent for remediation of Congo red dye. <i>Journal of Environmental Management</i> , 2022, 317, 115294.	3.8	9
6	Recent advances in nanotechnology and microfluidic-based approaches for isolation and detection of circulating tumor cells (CTCs). <i>Nano Structures Nano Objects</i> , 2022, 31, 100886.	1.9	12
7	Non-invasive multimodal imaging of Diabetic Retinopathy: A survey on treatment methods and Nanotheranostics. <i>Nanotheranostics</i> , 2021, 5, 166-181.	2.7	5
8	Four electrode-based impedimetric biosensors for evaluating cytotoxicity of tamoxifen on cervical cancer cells. <i>RSC Advances</i> , 2021, 11, 798-806.	1.7	16
9	Dual-emission copper nanoclusters based ratiometric fluorescent probe for intracellular detection of hydroxyl and superoxide anion species. <i>Mikrochimica Acta</i> , 2021, 188, 13.	2.5	16
10	Recent advances in graphene quantum dot-based optical and electrochemical (bio)analytical sensors. <i>Materials Advances</i> , 2021, 2, 5513-5541.	2.6	50
11	Nanomedicine-based cancer immunotherapy: recent trends and future perspectives. <i>Cancer Gene Therapy</i> , 2021, 28, 911-923.	2.2	44
12	One-Step Fabrication of Low-Cost, Autoclavable, and Multifunctional Silk-Based Nanofibrous Permeable Hanging Cell Culture Inserts for Various Biological Applications. <i>ACS Omega</i> , 2021, 6, 7605-7614.	1.6	1
13	Graphene oxide/silver nanoparticle (GO/AgNP) impregnated polyacrylonitrile nanofibers for potential application in air filtration. <i>Nano Structures Nano Objects</i> , 2021, 26, 100708.	1.9	27
14	Biocatalyst physiology and interplay: a protagonist of MFC operation. <i>Environmental Science and Pollution Research</i> , 2021, 28, 43217-43233.	2.7	3
15	Nanoremediation: Sunlight mediated dye degradation using electrospun PAN/CuO/ZnO nanofibrous composites. <i>Environmental Pollution</i> , 2021, 280, 116964.	3.7	18
16	Connexin and gap junctions: perspectives from biology to nanotechnology based therapeutics. <i>Translational Research</i> , 2021, 235, 144-167.	2.2	19
17	Graphene Based Nanomaterials for Biomedical, Catalytic, and Energy Applications. <i>ChemistrySelect</i> , 2021, 6, 9669-9683.	0.7	5
18	Recent advances in 3D printing technologies for wearable (bio)sensors. <i>Additive Manufacturing</i> , 2021, 46, 102088.	1.7	66

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19	Optimization, fabrication, and characterization of four electrode-based sensors for blood impedance measurement. <i>Biomedical Microdevices</i> , 2021, 23, 9.	1.4	15
20	Allium sativum derived carbon dots as a potential theranostic agent to combat the COVID-19 crisis. <i>Sensors International</i> , 2021, 2, 100102.	4.9	31
21	Core-shell nanofibre scaffold mediated co-delivery of connexin-43 gene and histone deacetylase inhibitor for anticancer therapy. <i>Materials Today Communications</i> , 2021, 29, 102886.	0.9	2
22	Biocompatible carbon nanodots from red onion peels for anti-oxidative and bioimaging applications. <i>Materials Express</i> , 2021, 11, 1958-1965.	0.2	2
23	Theranostic nanozyme: Silk fibroin based multifunctional nanocomposites to combat oxidative stress. <i>Materials Science and Engineering C</i> , 2020, 107, 110255.	3.8	28
24	Redox responsive xylan-SS-curcumin prodrug nanoparticles for dual drug delivery in cancer therapy. <i>Materials Science and Engineering C</i> , 2020, 107, 110356.	3.8	61
25	TiO ₂ doped chitosan/poly (vinyl alcohol) nanocomposite film with enhanced mechanical properties for application in bone tissue regeneration. <i>International Journal of Biological Macromolecules</i> , 2020, 143, 285-296.	3.6	19
26	Nanoceria as a possible agent for the management of COVID-19. <i>Nano Today</i> , 2020, 35, 100982.	6.2	71
27	Nitrogen-doped carbon quantum dots conjugated isorecticular metal-organic framework-3 particles based luminescent probe for selective sensing of trinitrotoluene explosive. <i>Mikrochimica Acta</i> , 2020, 187, 536.	2.5	13
28	Nano-based antiviral coatings to combat viral infections. <i>Nano Structures Nano Objects</i> , 2020, 24, 100620.	1.9	45
29	Fabrication of bimodal porous scaffold with enhanced mechanical properties using silanized sisal fibers for potential application in bone tissue engineering. <i>Materials Today Communications</i> , 2020, 25, 101260.	0.9	3
30	Systematic approach of chromone skeleton for detecting Mg ²⁺ , ion: Applications for sustainable cytotoxicity and cell imaging possibilities. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 235, 118290.	2.0	18
31	Synthesis of Multi-Color Fluorescent Carbon Dots From Mint Leaves: A Robust Bioimaging Agent with Potential Antioxidant Activity. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 6305-6316.	0.9	22
32	<p>Conventional and Nanotechnology Based Approaches to Combat Chronic Obstructive Pulmonary Disease: Implications for Chronic Airway Diseases</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 3803-3826.	3.3	34
33	Biofunctionalized Graphene Quantum Dots Based Fluorescent Biosensor toward Efficient Detection of Small Cell Lung Cancer. <i>ACS Applied Bio Materials</i> , 2020, 3, 4922-4932.	2.3	116
34	Facile architecture of highly effective nanofibrous membrane adsorbent via electrospun followed by hydrothermal carbonization for potential application in dye removal from water. <i>Environmental Science and Pollution Research</i> , 2020, 27, 11905-11918.	2.7	5
35	Nanotechnology based approaches for combatting COVID-19 viral infection. <i>Nano Express</i> , 2020, 1, 022003.	1.2	37
36	Enhancement of Polymeric Material Surface Properties Using Various Surface Modification Techniques. , 2020, , 133-164.		0

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37	Development of Sunlight-Driven Reduced Graphene Oxide (rGO)/CeO ₂ -CuO Nanofibrous Photocatalyst for Efficient Removal of Organic Dyes. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 7480-7494.	0.9	3
38	Superoxide dismutase mimetic nanoceria restrains cerulein induced acute pancreatitis. <i>Nanomedicine</i> , 2019, 14, 1805-1825.	1.7	42
39	Fabrication of Nanofibrous Scaffold Grafted with Gelatin Functionalized Polystyrene Microspheres for Manifesting Nanomechanical Cues of Stretch Stimulated Fibroblast. <i>ACS Applied Bio Materials</i> , 2019, 2, 5323-5339.	2.3	6
40	Characterization of difference in structure and function of fresh and mastitic bovine milk fat globules. <i>PLoS ONE</i> , 2019, 14, e0221830.	1.1	12
41	Lipophilic 5-fluorouracil prodrug encapsulated xylan-stearic acid conjugates nanoparticles for colon cancer therapy. <i>International Journal of Biological Macromolecules</i> , 2019, 128, 204-213.	3.6	42
42	Label-free fluorescence "turn-on" detection of SO ₃ ²⁻ by gold nanoclusters: integration in a hydrogel platform and intracellular detection. <i>Analytical Methods</i> , 2019, 11, 1214-1223.	1.3	11
43	PEG functionalized zirconium dicarboxylate MOFs for docetaxel drug delivery in vitro. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 52, 846-855.	1.4	28
44	Carica papaya loaded poly (vinyl alcohol)-gelatin nanofibrous scaffold for potential application in wound dressing. <i>Materials Science and Engineering C</i> , 2019, 103, 109834.	3.8	57
45	Electrospinning of Fe-doped ZnO nanoparticles incorporated polyvinyl alcohol nanofibers for its antibacterial treatment and cytotoxic studies. <i>European Polymer Journal</i> , 2019, 118, 27-35.	2.6	61
46	Hierarchical Architecture of Electrospun Hybrid PAN/Ag@rGO/Fe ₃ O ₄ Composite Nanofibrous Mat for Antibacterial Applications. <i>ChemistrySelect</i> , 2019, 4, 5044-5054.	0.7	4
47	3D Printing in Medicine. , 2019, , 1-22.		19
48	Yttrium oxide nanoparticles reduce the severity of acute pancreatitis caused by cerulein hyperstimulation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 18, 54-65.	1.7	43
49	Evaluation of surface properties of low density polyethylene (LDPE) films tailored by atmospheric pressure non-thermal plasma (APNTP) assisted co-polymerization and immobilization of chitosan for improvement of antifouling properties. <i>Materials Science and Engineering C</i> , 2019, 94, 150-160.	3.8	13
50	Enhanced targeted anticancer potential of AKT-1 siRNA, an inhibitor of Protein Kinase B, in combination with silver nanoparticle against non-small cell lung adenocarcinoma. <i>Nano Structures Nano Objects</i> , 2018, 14, 106-109.	1.9	4
51	pH-responsive prodrug nanoparticles based on xylan-curcumin conjugate for the efficient delivery of curcumin in cancer therapy. <i>Carbohydrate Polymers</i> , 2018, 188, 252-259.	5.1	90
52	Evaluation of mechanism of cold atmospheric pressure plasma assisted polymerization of acrylic acid on low density polyethylene (LDPE) film surfaces: Influence of various gaseous plasma pretreatment. <i>Applied Surface Science</i> , 2018, 439, 991-998.	3.1	23
53	Facile and Green Synthesis of Multicolor Fluorescence Carbon Dots from Curcumin: <i>In Vitro</i> and <i>In Vivo</i> Bioimaging and Other Applications. <i>ACS Omega</i> , 2018, 3, 831-843.	1.6	171
54	Polysaccharide Functionalized Single Walled Carbon Nanotubes as Nanocarriers for Delivery of Curcumin in Lung Cancer Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 1534-1541.	0.9	55

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55	Antimicrobial photodynamic therapy: Single-walled carbon nanotube (SWCNT)-Porphyrin conjugate for visible light mediated inactivation of <i>Staphylococcus aureus</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 162, 108-117.	2.5	77
56	Ethylenediamine mediated luminescence enhancement of pollutant derivatized carbon quantum dots for intracellular trinitrotoluene detection: soot to shine. <i>RSC Advances</i> , 2018, 8, 32684-32694.	1.7	39
57	Enhanced antineoplastic/therapeutic efficacy using 5-fluorouracil-loaded calcium phosphate nanoparticles. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 2499-2515.	1.5	13
58	Recent Advances in the Synthesis of Metal Oxide (MO) Nanostructures. , 2018, , 255-281.		10
59	Nanomaterial Toxicity: A Challenge to End Users. , 2018, , 315-343.		6
60	Applications of Nanofibers in Tissue Engineering. , 2018, , 179-203.		8
61	Multifunctional CdSNPs@ZIF-8: Potential Antibacterial Agent against GFP-Expressing <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> and Efficient Photocatalyst for Degradation of Methylene Blue. <i>ACS Omega</i> , 2018, 3, 8288-8308.	1.6	49
62	Molecular encapsulation of appended poly(vinyl alcohol) shroud on ferrite nanoparticles. Augmented cancer drug loading and anticancer property. <i>Materials Science and Engineering C</i> , 2018, 93, 125-133.	3.8	30
63	Polymer coatings for biocompatibility and reduced nonspecific adsorption. , 2018, , 155-198.		7
64	Surface analysis technique for assessing hemocompatibility of biomaterials. , 2018, , 119-161.		1
65	Cyclodextrin-PEG conjugate-wrapped magnetic ferrite nanoparticles for enhanced drug loading and release. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 273-284.	1.6	32
66	Influence of operating parameters on development of polyethylene oxide-like coatings on the surfaces of polypropylene films by atmospheric pressure cold plasma jet-assisted polymerization to enhance their antifouling properties. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 123, 76-86.	1.9	17
67	CuO-ZnO Nanosheets with p-n Heterojunction for Enhanced Visible Light Mediated Photocatalytic Activity. <i>ChemistrySelect</i> , 2017, 2, 4866-4873.	0.7	15
68	Bovine serum albumin nanoparticles loaded with Photosens photosensitizer for effective photodynamic therapy. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
69	Prodrug encapsulated albumin nanoparticles as an alternative approach to manifest anti-proliferative effects of suicide gene therapy. <i>Materials Science and Engineering C</i> , 2017, 73, 507-515.	3.8	17
70	Electrospun Polyacrylonitrile (PAN) Templated 2D Nanofibrous Mats: A Platform toward Practical Applications for Dye Removal and Bacterial Disinfection. <i>ACS Omega</i> , 2017, 2, 6556-6569.	1.6	29
71	Bioactive carbon dots lights up microtubules and destabilises cell cytoskeletal framework – A robust imaging agent with therapeutic activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 662-672.	2.5	12
72	Strategy of metal iron doping and green-mediated ZnO nanoparticles: dissolubility, antibacterial and cytotoxic traits. <i>Toxicology Research</i> , 2017, 6, 854-865.	0.9	48

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73	Atmospheric pressure non-thermal plasma assisted polymerization of poly (ethylene glycol) methylether methacrylate (PEGMA) on low density polyethylene (LDPE) films for enhancement of biocompatibility. <i>Surface and Coatings Technology</i> , 2017, 329, 55-67.	2.2	16
74	Photophysics, Electrochemistry, Morphology, and Bioimaging Applications of New 1,8-Naphthalimide Derivatives Containing Different Chromophores. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2612-2622.	1.7	16
75	Silica Stabilized Magnetic-Chitosan Beads for Removal of Arsenic from Water. <i>Colloids and Interface Science Communications</i> , 2017, 19, 14-19.	2.0	41
76	Effect of processing parameters on the deposition of SiO _x -like coatings on the surface of polypropylene films using glow discharge plasma assisted polymerization for tissue engineering applications. <i>Vacuum</i> , 2017, 143, 412-422.	1.6	9
77	Impact of albumin based approaches in nanomedicine: Imaging, targeting and drug delivery. <i>Advances in Colloid and Interface Science</i> , 2017, 246, 13-39.	7.0	97
78	Synthesis and bio-evaluation of xylan-5-fluorouracil-1-acetic acid conjugates as prodrugs for colon cancer treatment. <i>Carbohydrate Polymers</i> , 2017, 157, 1442-1450.	5.1	41
79	Combined effect of cellulose nanocrystal and reduced graphene oxide into poly-lactic acid matrix nanocomposite as a scaffold and its anti-bacterial activity. <i>International Journal of Biological Macromolecules</i> , 2017, 95, 94-105.	3.6	111
80	Efficient adsorption and antibacterial properties of electrospun CuO-ZnO composite nanofibers for water remediation. <i>Journal of Hazardous Materials</i> , 2017, 321, 611-621.	6.5	126
81	Niclosamide loaded biodegradable chitosan nanocargoes: an <i>in vitro</i> study for potential application in cancer therapy. <i>Royal Society Open Science</i> , 2017, 4, 170611.	1.1	47
82	<i>In Situ</i> Synthesis of Chitosan Coated Silver-Zinc Oxide Nanocomposites and Its Enhanced Antibacterial Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 8797-8805.	0.9	3
83	Biomimetic nanomaterials: Development of protein coated nanoceria as a potential antioxidative nano-agent for the effective scavenging of reactive oxygen species <i>in vitro</i> and in zebrafish model. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 375-386.	2.5	14
84	Multifunctional carbon dots as efficient fluorescent nanotags for tracking cells through successive generations. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4862-4871.	2.9	17
85	PEGylated graphene oxide-based nanocomposite-grafted chitosan/polyvinyl alcohol nanofiber as an advanced antibacterial wound dressing. <i>RSC Advances</i> , 2016, 6, 69103-69116.	1.7	46
86	Rapid and efficient removal of arsenic from water using electrospun CuO-ZnO composite nanofibers. <i>RSC Advances</i> , 2016, 6, 115021-115028.	1.7	19
87	Chapter 2 Nano-Bioremediation Applications of Nanotechnology for Bioremediation. <i>Advances in Industrial and Hazardous Wastes Treatment Series</i> , 2016, , 27-48.	0.0	10
88	Cold atmospheric pressure (CAP) plasma assisted tailoring of LDPE film surfaces for enhancement of adhesive and cytocompatible properties: Influence of operating parameters. <i>Vacuum</i> , 2016, 130, 34-47.	1.6	7
89	Field-actuated antineoplastic potential of smart and versatile PEO-bPEI electrospun scaffold by multi-staged targeted co-delivery of magnetite nanoparticles and niclosamide-bPEI complexes. <i>RSC Advances</i> , 2016, 6, 46186-46201.	1.7	7
90	Effect of cold atmospheric pressure plasma gas composition on the surface and cyto-compatible properties of low density polyethylene (LDPE) films. <i>Current Applied Physics</i> , 2016, 16, 784-792.	1.1	17

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91	Functionalized Graphene Oxide Based Nanocarrier for Tumor-Targeted Combination Therapy to Elicit Enhanced Cytotoxicity against Breast Cancer Cells <i>In Vitro</i>. ChemistrySelect, 2016, 1, 4845-4855.	0.7	3
92	Dual applications of silver nanoparticles incorporated functionalized MWCNTs grafted surface modified PAN nanofibrous membrane for water purification. RSC Advances, 2016, 6, 109241-109252.	1.7	14
93	Therapeutic Nanozyme: Antioxidative and cytoprotective effects of nanoceria against hydrogen peroxide induced oxidative stress in fibroblast cells and in zebrafish. ChemistrySelect, 2016, 1, 2849-2856.	0.7	9
94	Monitoring the Intracellular Distribution and ROS Scavenging Potential of Carbon Dot-Cerium Oxide Nanocomposites in Fibroblast Cells. ChemNanoMat, 2016, 2, 226-235.	1.5	19
95	Fabrication of electrospun poly(ethylene oxide)-poly(caprolactone) composite nanofibers for co-delivery of niclosamide and silver nanoparticles exhibits enhanced anti-cancer effects in vitro. Journal of Materials Chemistry B, 2016, 4, 726-742.	2.9	63
96	Enhanced photocatalytic activity of hierarchical three dimensional metal oxide@CuO nanostructures towards the degradation of Congo red dye under solar radiation. Catalysis Science and Technology, 2016, 6, 4458-4472.	2.1	119
97	Influence of non-thermal TiCl ₄ /Ar + O ₂ plasma-assisted TiO _x based coatings on the surface of polypropylene (PP) films for the tailoring of surface properties and cytocompatibility. Materials Science and Engineering C, 2016, 62, 908-918.	3.8	6
98	Carbon dots incorporated polymeric hydrogels as multifunctional platform for imaging and induction of apoptosis in lung cancer cells. Colloids and Surfaces B: Biointerfaces, 2016, 141, 242-252.	2.5	70
99	Hydrophobic myristic acid modified PAMAM dendrimers augment the delivery of tamoxifen to breast cancer cells. RSC Advances, 2016, 6, 24808-24819.	1.7	20
100	Strengthening of Mg based alloy through grain refinement for orthopaedic application. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 59, 57-70.	1.5	87
101	Chemically Cross-Linked Hybrid Nanogels of Alginate and PAMAM Dendrimers as Efficient Anticancer Drug Delivery Vehicles. ACS Biomaterials Science and Engineering, 2016, 2, 213-223.	2.6	62
102	Electrophoretic deposition of hydroxyapatite coating on Mg-3Zn alloy for orthopaedic application. Surface and Coatings Technology, 2016, 287, 82-92.	2.2	101
103	Fabrication and applications of ceramic nanofibers in water remediation: A review. Critical Reviews in Environmental Science and Technology, 2016, 46, 500-534.	6.6	69
104	Silver-nanoparticle-incorporated composite nanofibers for potential wound-dressing applications. Journal of Applied Polymer Science, 2015, 132, .	1.3	71
105	Bionanotherapeutics: niclosamide encapsulated albumin nanoparticles as a novel drug delivery system for cancer therapy. RSC Advances, 2015, 5, 12078-12086.	1.7	54
106	Multicomponent 5-fluorouracil loaded PAMAM stabilized-silver nanocomposites synergistically induce apoptosis in human cancer cells. Biomaterials Science, 2015, 3, 457-468.	2.6	60
107	Green synthesis of multifunctional carbon dots from coriander leaves and their potential application as antioxidants, sensors and bioimaging agents. Analyst, The, 2015, 140, 4260-4269.	1.7	412
108	Antioxidant nanozyme: a facile synthesis and evaluation of the reactive oxygen species scavenging potential of nanoceria encapsulated albumin nanoparticles. Journal of Materials Chemistry B, 2015, 3, 4843-4852.	2.9	51

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109	Cancer Nanotheranostics. SpringerBriefs in Applied Sciences and Technology, 2015, , .	0.2	6
110	Perturbation of cellular mechanistic system by silver nanoparticle toxicity: Cytotoxic, genotoxic and epigenetic potentials. Advances in Colloid and Interface Science, 2015, 221, 4-21.	7.0	109
111	Controlled delivery of bPEIâ€“niclosamide complexes by PEO nanofibers and evaluation of its anti-neoplastic potentials. Colloids and Surfaces B: Biointerfaces, 2015, 131, 170-181.	2.5	31
112	Self-Assembled Hybrids of Fluorescent Carbon Dots and PAMAM Dendrimers for Epirubicin Delivery and Intracellular Imaging. ACS Applied Materials & Interfaces, 2015, 7, 11423-11435.	4.0	82
113	Tumor-targeted folate-decorated albumin-stabilised silver nanoparticles induce apoptosis at low concentration in human breast cancer cells. RSC Advances, 2015, 5, 86242-86253.	1.7	16
114	Bioactive Coreâ€“Shell Nanofiber Hybrid Scaffold for Efficient Suicide Gene Transfection and Subsequent Time Resolved Delivery of Prodrug for Anticancer Therapy. ACS Applied Materials & Interfaces, 2015, 7, 18717-18731.	4.0	30
115	Dual-functional carbon dotsâ€“silver@zinc oxide nanocomposite: in vitro evaluation of cellular uptake and induction of apoptosis. Journal of Materials Chemistry B, 2015, 3, 1217-1229.	2.9	39
116	Fabrication and characterization of poly(ethylene oxide) templated nickel oxide nanofibers for dye degradation. Environmental Science: Nano, 2015, 2, 78-85.	2.2	58
117	Quantum chemical studies on the structural and electronic properties of nickel sulphide and iron sulphide nanoclusters. Journal of Nanostructure in Chemistry, 2014, 4, 1.	5.3	11
118	Antibacterial activity and mechanism of Agâ€“ZnO nanocomposite on S. aureus and GFP-expressing antibiotic resistant E. coli. Colloids and Surfaces B: Biointerfaces, 2014, 115, 359-367.	2.5	231
119	Differentially cross-linkable coreâ€“shell nanofibers for tunable delivery of anticancer drugs: synthesis, characterization and their anticancer efficacy. RSC Advances, 2014, 4, 38263-38272.	1.7	35
120	Investigation on electronic transport property of cerium nitride nanoribbon-based molecular device: a first-principles study. Journal of Nanostructure in Chemistry, 2014, 4, 1.	5.3	2
121	Implications of surface passivation on physicochemical and bioimaging properties of carbon dots. RSC Advances, 2014, 4, 20915-20921.	1.7	112
122	Ferritin Nanocages: A Novel Platform for Biomedical Applications. Journal of Biomedical Nanotechnology, 2014, 10, 2950-2976.	0.5	50
123	A novel one-step synthesis of PEG passivated multicolour fluorescent carbon dots for potential biolabeling application. RSC Advances, 2013, 3, 16958.	1.7	83
124	A novel thermal decomposition approach to synthesize hydroxyapatiteâ€“silver nanocomposites and their antibacterial action against GFP-expressing antibiotic resistant E. coli. Colloids and Surfaces B: Biointerfaces, 2013, 103, 441-447.	2.5	41
125	Emerging applications of nanoparticles for lung cancer diagnosis and therapy. International Nano Letters, 2013, 3, 1.	2.3	76
126	Microwave Assisted Synthesis of Chitosan Nanorods and Assessment of Its Antibacterial Activity Against GFP-Expressing Antibiotic Resistant <i>E. coli</i> . Journal of Chitin and Chitosan Science, 2013, 1, 167-172.	0.3	1

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127	Activating Transcription Factor 3 Protects Against Elastase-Induced Pulmonary Emphysema In Mice. , 2010, , .		0
128	Signaling gene cascade in silver nanoparticle induced apoptosis. Colloids and Surfaces B: Biointerfaces, 2010, 77, 240-245.	2.5	190
129	T-Cell Activation under Hypoxic Conditions Enhances IFN- γ Secretion. American Journal of Respiratory Cell and Molecular Biology, 2010, 42, 123-128.	1.4	54
130	Understanding apoptotic signaling pathways in cytosine deaminase-uracil phosphoribosyl transferase-mediated suicide gene therapy in vitro. Molecular and Cellular Biochemistry, 2009, 324, 21-29.	1.4	14
131	Apoptotic Induction with Bifunctional E.coli Cytosine Deaminase-Uracil Phosphoribosyltransferase Mediated Suicide Gene Therapy is Synergized by Curcumin Treatment In Vitro. Molecular Biotechnology, 2008, 39, 39-48.	1.3	23
132	Implication of functional activity for determining therapeutic efficacy of suicide genes in vitro. Biotechnology Letters, 2008, 30, 1913-1921.	1.1	18
133	Implications of silver nanoparticle induced cell apoptosis for <i>in vitro</i> gene therapy. Nanotechnology, 2008, 19, 075104.	1.3	165
134	Green Fluorescent Protein-Expressing Escherichia coli as a Model System for Investigating the Antimicrobial Activities of Silver Nanoparticles. Langmuir, 2006, 22, 9322-9328.	1.6	406
135	Adenoviral Vectors: A Promising Tool for Gene Therapy. Applied Biochemistry and Biotechnology, 2006, 133, 9-30.	1.4	99