

# CITATION REPORT

List of articles citing

## Magnetic Anisotropic Particles: Toward Remotely Actuated Applications

DOI: 10.1002/ppsc.201600060  
Particle and Particle Systems Characterization, 2016,  
33, 709-728.

**Source:** <https://exaly.com/paper-pdf/64179957/citation-report.pdf>

**Version:** 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
94	Fabrication of chitosan/graphene oxide polymer nanofiber and its biocompatibility for cartilage tissue engineering. <i>Materials Science and Engineering C</i> , <b>2017</b> , 79, 697-701	8.3	79
93	Carbon nanotube ensembled hybrid nanocomposite electrode for direct electrochemical detection of epinephrine in pharmaceutical tablets and urine. <i>Materials Science and Engineering C</i> , <b>2017</b> , 79, 93-99	8.3	37
92	Solvothermal synthesis of Sm-doped FeO nanoparticles. <i>Materials Science and Engineering C</i> , <b>2017</b> , 80, 110-116	8.3	14
91	High degradation rate of Fe-20Mn-based bio-alloys by accumulative cryo-rolling and annealing. <i>Materials Science and Engineering C</i> , <b>2017</b> , 79, 37-44	8.3	10
90	Design of a new nanocomposite between bismuth nanoparticles and graphene oxide for development of electrochemical sensors. <i>Materials Science and Engineering C</i> , <b>2017</b> , 79, 262-269	8.3	16
89	In vitro and in vivo anti-inflammatory properties of green synthesized silver nanoparticles using <i>Viburnum opulus</i> L. fruits extract. <i>Materials Science and Engineering C</i> , <b>2017</b> , 79, 720-727	8.3	53
88	Photodynamic effect of light-harvesting, long-lived triplet excited state Ruthenium(II)-polyimine-coumarin complexes: DNA binding, photocleavage and anticancer studies. <i>Materials Science and Engineering C</i> , <b>2017</b> , 79, 710-719	8.3	12
87	Biocompatible curcumin loaded PMMA-PEG/ZnO nanocomposite induce apoptosis and cytotoxicity in human gastric cancer cells. <i>Materials Science and Engineering C</i> , <b>2017</b> , 80, 59-68	8.3	49
86	Optimized composition of nanocomposite scaffolds formed from silk fibroin and nano-TiO for bone tissue engineering. <i>Materials Science and Engineering C</i> , <b>2017</b> , 79, 783-792	8.3	28
85	A strategy to promote the electroactive platform adopting poly(o-anisidine)-silver nanocomposites probed for the voltammetric detection of NADH and dopamine. <i>Materials Science and Engineering C</i> , <b>2017</b> , 80, 425-437	8.3	10
84	Photo-induced surface grafting of phosphorylcholine containing copolymers onto mesoporous silica nanoparticles for controlled drug delivery. <i>Materials Science and Engineering C</i> , <b>2017</b> , 79, 596-604	8.3	23
83	Tunable green graphene-silk biomaterials: Mechanism of protein-based nanocomposites. <i>Materials Science and Engineering C</i> , <b>2017</b> , 79, 728-739	8.3	36
82	Low-temperature direct heterogeneous bonding of polyether ether ketone and platinum. <i>Materials Science and Engineering C</i> , <b>2017</b> , 79, 860-865	8.3	12
81	Synergistic effects of <i>Woodfordia fruticosa</i> gold nanoparticles in preventing microbial adhesion and accelerating wound healing in Wistar albino rats in vivo. <i>Materials Science and Engineering C</i> , <b>2017</b> , 80, 252-262	8.3	23
80	Investigation on direct electrochemical and electrocatalytic behavior of hemoglobin on palladium-graphene modified electrode. <i>Materials Science and Engineering C</i> , <b>2017</b> , 80, 135-140	8.3	24
79	Time-dependent subcellular structure injuries induced by nano-/micron-sized calcium oxalate monohydrate and dihydrate crystals. <i>Materials Science and Engineering C</i> , <b>2017</b> , 79, 445-456	8.3	7
78	Fabrication of DNA nanotubes with an array of exterior magnetic nanoparticles. <i>Materials Science and Engineering C</i> , <b>2017</b> , 79, 216-220	8.3	9

77	Ultrasonically assisted preparation of poly(acrylic acid)/calcium phosphate hybrid nanogels as pH-responsive drug carriers. <i>Materials Science and Engineering C</i> , <b>2017</b> , 80, 688-697	8.3	17
76	Innovative micro-textured hydroxyapatite and poly(L-lactic)-acid polymer composite film as a flexible, corrosion resistant, biocompatible, and bioactive coating for Mg implants. <i>Materials Science and Engineering C</i> , <b>2017</b> , 81, 97-103	8.3	21
75	Biocompatible $\beta$ -CaHPO clusters with dandelion-like structure as an alternative drug carrier. <i>Materials Science and Engineering C</i> , <b>2017</b> , 81, 8-12	8.3	8
74	Polyethyleneimine grafted short halloysite nanotubes for gene delivery. <i>Materials Science and Engineering C</i> , <b>2017</b> , 81, 224-235	8.3	51
73	Enhanced antiadhesive properties of chitosan/hyaluronic acid polyelectrolyte multilayers driven by thermal annealing: Low adherence for mammalian cells and selective decrease in adhesion for Gram-positive bacteria. <i>Materials Science and Engineering C</i> , <b>2017</b> , 80, 677-687	8.3	31
72	Microwave assisted synthesis of luminescent carbonaceous nanoparticles from silk fibroin for bioimaging. <i>Materials Science and Engineering C</i> , <b>2017</b> , 80, 616-623	8.3	27
71	Synergic effect of chitosan and dicalcium phosphate on tricalcium silicate-based nanocomposite for root-end dental application. <i>Materials Science and Engineering C</i> , <b>2017</b> , 80, 631-641	8.3	15
70	Surface PEGylation of mesoporous silica materials via surface-initiated chain transfer free radical polymerization: Characterization and controlled drug release. <i>Materials Science and Engineering C</i> , <b>2017</b> , 81, 57-65	8.3	7
69	Microfluidic Lithography of Bioinspired Helical Micromotors. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 12127-12131	16.4	88
68	Microfluidic Lithography of Bioinspired Helical Micromotors. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 12295-12296	9.6	27
67	In Situ Assembly of Au Nanoclusters within Protein Hydrogel Networks. <i>Chemistry - an Asian Journal</i> , <b>2017</b> , 12, 2374-2378	4.5	29
66	Facile-one pot-green synthesis, antibacterial, antifungal, antioxidant and antiplatelet activities of lignin capped silver nanoparticles: A promising therapeutic agent. <i>Materials Science and Engineering C</i> , <b>2017</b> , 81, 182-190	8.3	75
65	Dual targeting hyaluronic acid - RGD mesoporous silica coated gold nanorods for chemo-photothermal cancer therapy. <i>Materials Science and Engineering C</i> , <b>2017</b> , 81, 261-270	8.3	37
64	Functionalization of titanium dioxide nanotubes with biomolecules for biomedical applications. <i>Materials Science and Engineering C</i> , <b>2017</b> , 81, 597-606	8.3	56
63	Synthesis and evaluation of the cytotoxic and anti-proliferative properties of ZnO quantum dots against MCF-7 and MDA-MB-231 human breast cancer cells. <i>Materials Science and Engineering C</i> , <b>2017</b> , 81, 551-560	8.3	29
62	Preferential killing of bacterial cells by hybrid carbon nanotube-MnO nanocomposite synthesized by novel microwave assisted processing. <i>Materials Science and Engineering C</i> , <b>2017</b> , 81, 469-477	8.3	18
61	Superparamagnetic iron oxide nanoparticles modified with dimyristoylphosphatidylcholine and their distribution in the brain after injection in the rat substantia nigra. <i>Materials Science and Engineering C</i> , <b>2017</b> , 81, 400-406	8.3	11
60	Core-shell structured polypyrrole/mesoporous SiO <sub>2</sub> nanocomposite capped with graphene quantum dots as gatekeeper for irradiation-controlled release of methotrexate. <i>Materials Science and Engineering C</i> , <b>2017</b> , 81, 206-212	8.3	25

59	Nano-calcium phosphate bone cement based on Si-stabilized $\beta$ -tricalcium phosphate with improved mechanical properties. <i>Materials Science and Engineering C</i> , <b>2017</b> , 81, 532-541	8.3	18
58	Decoration of gold nanoparticles with thiolated pH-responsive polymeric (PEG-b-p(2-dimethylamio ethyl methacrylate-co-itaconic acid) shell: A novel platform for targeting of anticancer agent. <i>Materials Science and Engineering C</i> , <b>2017</b> , 81, 561-570	8.3	30
57	808nm light triggered black TiO nanoparticles for killing of bladder cancer cells. <i>Materials Science and Engineering C</i> , <b>2017</b> , 81, 252-260	8.3	31
56	Multifunctional biosynthesized silver nanoparticles exhibiting excellent antimicrobial potential against multi-drug resistant microbes along with remarkable anticancerous properties. <i>Materials Science and Engineering C</i> , <b>2017</b> , 80, 659-669	8.3	34
55	ZnO@GdO core/shell nanoparticles for biomedical applications: Physicochemical, in vitro and in vivo characterization. <i>Materials Science and Engineering C</i> , <b>2017</b> , 80, 603-615	8.3	14
54	Polyglycerol mediated covalent construction of magnetic mesoporous silica nanohybrid with aqueous dispersibility for drug delivery. <i>Materials Science and Engineering C</i> , <b>2017</b> , 80, 517-525	8.3	19
53	Near infrared radiated stimulus-responsive liposomes based on photothermal conversion as drug carriers for co-delivery of CJM126 and cisplatin. <i>Materials Science and Engineering C</i> , <b>2017</b> , 80, 362-370	8.3	24
52	High-performance peroxidase mimics for rapid colorimetric detection of HO and glucose derived from perylene diimides functionalized CoO nanoparticles. <i>Materials Science and Engineering C</i> , <b>2017</b> , 80, 558-565	8.3	42
51	Concentration effect on large scale synthesis of high quality small gold nanorods and their potential role in cancer theranostics. <i>Materials Science and Engineering C</i> , <b>2018</b> , 87, 120-127	8.3	18
50	Synthesis, characterization and antitumor properties of selenium nanoparticles coupling with ferulic acid. <i>Materials Science and Engineering C</i> , <b>2018</b> , 90, 104-112	8.3	39
49	Biomimetic polyurethane/TiO nanocomposite scaffolds capable of promoting biomineralization and mesenchymal stem cell proliferation. <i>Materials Science and Engineering C</i> , <b>2018</b> , 85, 79-87	8.3	33
48	Development of a PCL-silica nanoparticles composite membrane for Guided Bone Regeneration. <i>Materials Science and Engineering C</i> , <b>2018</b> , 85, 154-161	8.3	64
47	Polymer-amino-functionalized silica composites for the sustained-release multiparticulate system. <i>Materials Science and Engineering C</i> , <b>2018</b> , 85, 114-122	8.3	7
46	pH-responsive mesoporous ZSM-5 zeolites/chitosan core-shell nanodisks loaded with doxorubicin against osteosarcoma. <i>Materials Science and Engineering C</i> , <b>2018</b> , 85, 142-153	8.3	30
45	Microwave assisted coating of bioactive amorphous magnesium phosphate (AMP) on polyetheretherketone (PEEK). <i>Materials Science and Engineering C</i> , <b>2018</b> , 85, 107-113	8.3	46
44	Simple fabrication of rough halloysite nanotubes coatings by thermal spraying for high performance tumor cells capture. <i>Materials Science and Engineering C</i> , <b>2018</b> , 85, 170-181	8.3	17
43	Pectin-guar gum-zinc oxide nanocomposite enhances human lymphocytes cytotoxicity towards lung and breast carcinomas. <i>Materials Science and Engineering C</i> , <b>2018</b> , 90, 494-503	8.3	20
42	Enhanced cellular uptake of LHRH-conjugated PEG-coated magnetite nanoparticles for specific targeting of triple negative breast cancer cells. <i>Materials Science and Engineering C</i> , <b>2018</b> , 88, 32-45	8.3	34

41	Developing a novel magnesium glycerophosphate/silicate-based organic-inorganic composite cement for bone repair. <i>Materials Science and Engineering C</i> , <b>2018</b> , 87, 104-111	8.3	15
40	Optimization of the composition and dosage of PEGylated polyethylenimine-entrapped gold nanoparticles for blood pool, tumor, and lymph node CT imaging. <i>Materials Science and Engineering C</i> , <b>2018</b> , 83, 9-16	8.3	13
39	Visible light-assisted efficient degradation of dye pollutants with biomass-supported TiO hybrids. <i>Materials Science and Engineering C</i> , <b>2018</b> , 82, 197-203	8.3	15
38	Sustained raloxifene release from hyaluronan-alendronate-functionalized titanium nanotube arrays capable of enhancing osseointegration in osteoporotic rabbits. <i>Materials Science and Engineering C</i> , <b>2018</b> , 82, 345-353	8.3	19
37	Overcoming STC2 mediated drug resistance through drug and gene co-delivery by PHB-PDMAEMA cationic polyester in liver cancer cells. <i>Materials Science and Engineering C</i> , <b>2018</b> , 83, 210-217	8.3	57
36	Hierarchically porous structure, mechanical strength and cell biological behaviors of calcium phosphate composite scaffolds prepared by combination of extrusion and porogen burnout technique and enhanced by gelatin. <i>Materials Science and Engineering C</i> , <b>2018</b> , 82, 217-224	8.3	18
35	Nanographene oxide as a switch for CW/pulsed NIR laser triggered drug release from liposomes. <i>Materials Science and Engineering C</i> , <b>2018</b> , 82, 19-24	8.3	18
34	Glucose functionalized carbon quantum dot containing organic radical for optical/MR dual-modality bioimaging. <i>Materials Science and Engineering C</i> , <b>2018</b> , 82, 190-196	8.3	20
33	Engineered chimeric peptides with antimicrobial and titanium-binding functions to inhibit biofilm formation on Ti implants. <i>Materials Science and Engineering C</i> , <b>2018</b> , 82, 141-154	8.3	31
32	Self-assembly of bacitracin-gold nanoparticles and their toxicity analysis. <i>Materials Science and Engineering C</i> , <b>2018</b> , 82, 310-316	8.3	10
31	Biosynthesis of cerium oxide nanoparticles and their effect on lipopolysaccharide (LPS) induced sepsis mortality and associated hepatic dysfunction in male Sprague Dawley rats. <i>Materials Science and Engineering C</i> , <b>2018</b> , 83, 148-153	8.3	24
30	Influences of ionic liquid and temperature on the tailorable surface morphology of F-apatite nanocomposites for enhancing biological abilities for orthopedic implantation. <i>Materials Science and Engineering C</i> , <b>2018</b> , 84, 99-107	8.3	21
29	Nano silver decorated polyacrylamide/dextran nanohydrogels hybrid composites for drug delivery applications. <i>Materials Science and Engineering C</i> , <b>2018</b> , 85, 130-141	8.3	57
28	Fabrication, characterization and osteoblast responses of poly (octanediol citrate)/bioglass nanofiber composites. <i>Materials Science and Engineering C</i> , <b>2018</b> , 84, 123-129	8.3	17
27	Organic composite-mediated surface coating of human acellular bone matrix with strontium. <i>Materials Science and Engineering C</i> , <b>2018</b> , 84, 12-20	8.3	12
26	Enhancing the anti-gastric cancer activity of curcumin with biocompatible and pH sensitive PMMA-AA/ZnO nanoparticles. <i>Materials Science and Engineering C</i> , <b>2018</b> , 82, 182-189	8.3	38
25	High-activity chitosan/nano hydroxyapatite/zoledronic acid scaffolds for simultaneous tumor inhibition, bone repair and infection eradication. <i>Materials Science and Engineering C</i> , <b>2018</b> , 82, 225-233	8.3	43
24	Microwave-assisted synthesis of magnetite nanoparticles possessing superior magnetic properties. <i>Mendeleev Communications</i> , <b>2018</b> , 28, 559-561	1.9	16

23	Peanut-inspired anisotropic microparticles from microfluidics. <i>Composites Communications</i> , <b>2018</b> , 10, 129-135	6.7	6
22	A voltammetric biosensor based on poly(o-methoxyaniline)-gold nanocomposite modified electrode for the simultaneous determination of dopamine and folic acid. <i>Materials Science and Engineering C</i> , <b>2018</b> , 91, 512-523	8.3	19
21	Copper-polyaniline nanocomposite: Role of physicochemical properties on the antimicrobial activity and genotoxicity evaluation. <i>Materials Science and Engineering C</i> , <b>2018</b> , 93, 49-60	8.3	17
20	Two-Step Solvent On-Film Annealing (2-SOFA) Method: Fabrication of Anisotropic Polymer Particles and Implications for Colloidal Self-Assembly. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 4557-4565	5.6	3
19	Surface grafting of rare-earth ions doped hydroxyapatite nanorods (HAp:Ln(Eu/Tb)) with hydrophilic copolymers based on ligand exchange reaction: Biological imaging and cancer treatment. <i>Materials Science and Engineering C</i> , <b>2018</b> , 91, 556-563	8.3	8
18	Magnetic Janus Particles for Static and Dynamic (Bio)Sensing. <i>Magnetochemistry</i> , <b>2019</b> , 5, 47	3.1	16
17	Efficient targeted cancer cell detection, isolation and enumeration using immuno-nano/hybrid magnetic microgels. <i>Biomaterials Science</i> , <b>2019</b> , 7, 3359-3372	7.4	5
16	Synthesis and Morphological Control of Biocompatible Fluorescent/Magnetic Janus Nanoparticles Based on the Self-Assembly of Fluorescent Polyurethane and Fe <sub>3</sub> O <sub>4</sub> Nanoparticles. <i>Polymers</i> , <b>2019</b> , 11,	4.5	4
15	pH and thermo dual stimulus-responsive liposome nanoparticles for targeted delivery of platinum-acridine hybrid agent. <i>Life Sciences</i> , <b>2019</b> , 217, 41-48	6.8	9
14	Recent advances in manipulation of micro- and nano-objects with magnetic fields at small scales. <i>Materials Horizons</i> , <b>2020</b> , 7, 638-666	14.4	50
13	Recent advances in soft functional materials: preparation, functions and applications. <i>Nanoscale</i> , <b>2020</b> , 12, 1281-1306	7.7	35
12	Tunable Decoupling of Dual Drug Release of Oppositely Charged, Stimuli-Responsive Anisotropic Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 135-150	9.5	6
11	Sequential Selective Solvent On-Film Annealing: Fabrication of Monolayers of Ordered Anisotropic Polymer Particles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 35731-35739	9.5	1
10	Particles with Magnetic Patches: Synthesis, Morphology Control, and Assembly. <i>Particle and Particle Systems Characterization</i> , <b>2020</b> , 37, 2000111	3.1	6
9	Hierarchical assemblies of superparamagnetic colloids in time-varying magnetic fields. <i>Soft Matter</i> , <b>2021</b> , 17, 1120-1155	3.6	12
8	Recent Advances on Nanocomposite Resists With Design Functionality for Lithographic Microfabrication. <i>Frontiers in Materials</i> , <b>2021</b> , 8,	4	2
7	Trace level electrochemical detection of mesalazine in human urine sample using poly (N-Vinyl)-2-Pyrrolidone capped Bi-EDTA complex sheets incorporated with ultrasonically exfoliated graphene oxide. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2021</b> , 122, 67-77	5.3	5
6	Towards Polymeric Nanoparticles with Multiple Magnetic Patches. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	2

5	TPGS functionalized mesoporous silica nanoparticles for anticancer drug delivery to overcome multidrug resistance. <i>Materials Science and Engineering C</i> , <b>2018</b> , 84, 108-117	8.3	29
4	Microfluidic generation of monodispersed Janus alginate hydrogel microparticles using water-in-oil emulsion reactant.. <i>Biomicrofluidics</i> , <b>2022</b> , 16, 024101	3.2	0
3	Optomagnetic biosensors: Volumetric sensing based on magnetic actuation-induced optical modulations. <i>Biosensors and Bioelectronics</i> , <b>2022</b> , 215, 114560	11.8	2
2	Fabrication of anisotropic nanocomposite hydrogels by magnetic field-induced orientation for mimicking cardiac tissue.		0
1	Pattern formation and collective effects during the process of the motion of magnetic nanomotors in narrow channels.		0