

Mara Vallet Reg

List of Publications by Year in Descending Order

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

730
papers

40,622
citations

93
h-index

172
g-index

773
ext. papers

44,527
ext. citations

6.1
avg. IF

7.97
L-index

#	Paper	IF	Citations
730	Superparamagnetic Iron Oxide Nanoparticles Decorated Mesoporous Silica Nanosystem for Combined Antibiofilm Therapy.. <i>Pharmaceutics</i> , 2022 , 14,	6.4	4
729	Antibiotics- and Heavy Metals-Based Titanium Alloy Surface Modifications for Local Prosthetic Joint Infections. <i>Antibiotics</i> , 2021 , 10, 1270	4.9	1
728	Our contributions to applications of mesoporous silica nanoparticles. <i>Acta Biomaterialia</i> , 2021 , 137, 44-44	10.8	3
727	Arabic gum plus colistin coated moxifloxacin-loaded nanoparticles for the treatment of bone infection caused by Escherichia coli. <i>Acta Biomaterialia</i> , 2021 , 137, 218-218	10.8	8
726	Effective reduction of biofilm through photothermal therapy by gold core@shell based mesoporous silica nanoparticles. <i>Microporous and Mesoporous Materials</i> , 2021 , 328, 111489	5.3	4
725	Transcriptome Analysis Identifies Novel Mechanisms Associated with the Antitumor Effect of Chitosan-Stabilized Selenium Nanoparticles. <i>Pharmaceutics</i> , 2021 , 13,	6.4	4
724	Hard and Soft Protein Corona of Nanomaterials: Analysis and Relevance. <i>Nanomaterials</i> , 2021 , 11,	5.4	15
723	Effects of Ipriflavone-Loaded Mesoporous Nanospheres on the Differentiation of Endothelial Progenitor Cells and Their Modulation by Macrophages. <i>Nanomaterials</i> , 2021 , 11,	5.4	4
722	Effects of mesoporous SiO-CaO nanospheres on the murine peritoneal macrophages/Candidaalbicans interface. <i>International Immunopharmacology</i> , 2021 , 94, 107457	5.8	3
721	Osteoporosis Remission and New Bone Formation with Mesoporous Silica Nanoparticles. <i>Advanced Science</i> , 2021 , 8, e2101107	13.6	16
720	Recent Advances Toward the Use of Mesoporous Silica Nanoparticles for the Treatment of Bacterial Infections. <i>International Journal of Nanomedicine</i> , 2021 , 16, 4409-4430	7.3	9
719	Mesoporous bioactive glasses for regenerative medicine. <i>Materials Today Bio</i> , 2021 , 11, 100121	9.9	12
718	Mesoporous silica nanoparticles containing silver as novel antimycobacterial agents against Mycobacterium tuberculosis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 197, 111405	6	19
717	Emerging Strategies in Anticancer Combination Therapy Employing Silica-Based Nanosystems. <i>Biotechnology Journal</i> , 2021 , 16, e1900438	5.6	2
716	Impact of the antibiotic-cargo from MSNs on Gram-positive and Gram-negative bacterial biofilms. <i>Microporous and Mesoporous Materials</i> , 2021 , 311, 110681	5.3	8
715	Multiscale porosity in mesoporous bioglass 3D-printed scaffolds for bone regeneration. <i>Materials Science and Engineering C</i> , 2021 , 120, 111706	8.3	11
714	Evaluation of the penetration process of fluorescent collagenase nanocapsules in a 3D collagen gel. <i>Acta Biomaterialia</i> , 2021 , 121, 263-274	10.8	1

713	Designing Mesoporous Silica Nanoparticles to Overcome Biological Barriers by Incorporating Targeting and Endosomal Escape. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 9656-9666	9.5	13
712	Endostatin Genetically Engineered Placental Mesenchymal Stromal Cells Carrying Doxorubicin-Loaded Mesoporous Silica Nanoparticles for Combined Chemo- and Antiangiogenic Therapy. <i>Pharmaceutics</i> , 2021 , 13,	6.4	1
711	Redox-Responsive Mesoporous Silica Nanoparticles for Cancer Treatment: Recent Updates. <i>Nanomaterials</i> , 2021 , 11,	5.4	5
710	A versatile multicomponent mesoporous silica nanosystem with dual antimicrobial and osteogenic effects. <i>Acta Biomaterialia</i> , 2021 , 136, 570-581	10.8	3
709	Response of RAW 264.7 and J774A.1 macrophages to particles and nanoparticles of a mesoporous bioactive glass: A comparative study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 208, 112110	6	1
708	Inorganic and Polymeric Nanoparticles for Human Viral and Bacterial Infections Prevention and Treatment. <i>Nanomaterials</i> , 2021 , 11,	5.4	9
707	A novel hemocompatible core@shell nanosystem for selective targeting and apoptosis induction in cancer cells. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 2697-2712	6.8	3
706	Janus-Type Mesoporous Silica Nanoparticles for Sequential Tumoral Cell and Mitochondria Targeting. <i>Methods in Molecular Biology</i> , 2021 , 2275, 341-361	1.4	
705	Strontium-Modified Scaffolds Based on Mesoporous Bioactive Glasses/Polyvinyl Alcohol Composites for Bone Regeneration. <i>Materials</i> , 2020 , 13,	3.5	4
704	Production of MCM-41 Nanoparticles with Control of Particle Size and Structural Properties: Optimizing Operational Conditions during Scale-Up. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
703	ZnO-mesoporous glass scaffolds loaded with osteostatin and mesenchymal cells improve bone healing in a rabbit bone defect. <i>Journal of Materials Science: Materials in Medicine</i> , 2020 , 31, 100	4.5	7
702	Antimycobacterial Effect of Selenium Nanoparticles on. <i>Frontiers in Microbiology</i> , 2020 , 11, 800	5.7	19
701	Mesoporous Silica Nanoparticles as Carriers for Therapeutic Biomolecules. <i>Pharmaceutics</i> , 2020 , 12,	6.4	30
700	Influence of the Surface Functionalization on the Fate and Performance of Mesoporous Silica Nanoparticles. <i>Nanomaterials</i> , 2020 , 10,	5.4	27
699	Nanocarriers Tumor Penetration: Bacteria as Nanoparticles Carrier for Enhancing Penetration in a Tumoral Matrix Model (Adv. Mater. Interfaces 11/2020). <i>Advanced Materials Interfaces</i> , 2020 , 7, 20700634.6	4.6	1
698	Hybrid Injectable Sol-Gel Systems Based on Thermo-Sensitive Polyurethane Hydrogels Carrying pH-Sensitive Mesoporous Silica Nanoparticles for the Controlled and Triggered Release of Therapeutic Agents. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 384	5.8	12
697	Mesoporous Silica Nanoparticles for Co-Delivery of Drugs and Nucleic Acids in Oncology: A Review. <i>Pharmaceutics</i> , 2020 , 12,	6.4	39
696	Degradative Effects of the Biological Environment on Ceramic Biomaterials 2020 , 955-971		4

695	Engineered pH-Responsive Mesoporous Carbon Nanoparticles for Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 14946-14957	9.5	27
694	Amino-Functionalized Mesoporous Silica Nanoparticle-Encapsulated Octahedral Organoruthenium Complex as an Efficient Platform for Combatting Cancer. <i>Inorganic Chemistry</i> , 2020 , 59, 10275-10284	5.1	13
693	Mesoporous Silica Nanoparticles for the Treatment of Complex Bone Diseases: Bone Cancer, Bone Infection and Osteoporosis. <i>Pharmaceutics</i> , 2020 , 12,	6.4	60
692	Substituted hydroxyapatite coatings of bone implants. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 1781-1800	9.9	119
691	Bacteria as Nanoparticles Carrier for Enhancing Penetration in a Tumoral Matrix Model. <i>Advanced Materials Interfaces</i> , 2020 , 7, 1901942	4.6	17
690	Nanoparticles for multimodal antivascular therapeutics: Dual drug release, photothermal and photodynamic therapy. <i>Acta Biomaterialia</i> , 2020 , 101, 459-468	10.8	34
689	Silicon substituted hydroxyapatite/VEGF scaffolds stimulate bone regeneration in osteoporotic sheep. <i>Acta Biomaterialia</i> , 2020 , 101, 544-553	10.8	31
688	The effect of biomimetic mineralization of 3D-printed mesoporous bioglass scaffolds on physical properties and in vitro osteogenicity. <i>Materials Science and Engineering C</i> , 2020 , 109, 110572	8.3	11
687	Ultrasound-Activated Nanomaterials for Therapeutics. <i>Bulletin of the Chemical Society of Japan</i> , 2020 , 93, 220-229	5.1	26
686	Strontium-releasing mesoporous bioactive glasses with anti-adhesive zwitterionic surface as advanced biomaterials for bone tissue regeneration. <i>Journal of Colloid and Interface Science</i> , 2020 , 563, 92-103	9.3	10
685	Mesoporous Silica Nanoparticles as Theranostic Antitumoral Nanomedicines. <i>Pharmaceutics</i> , 2020 , 12,	6.4	14
684	Development and evaluation of copper-containing mesoporous bioactive glasses for bone defects therapy. <i>Microporous and Mesoporous Materials</i> , 2020 , 308,	5.3	7
683	Targeted Stimuli-Responsive Mesoporous Silica Nanoparticles for Bacterial Infection Treatment. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	24
682	Nanoparticles Coated with Cell Membranes for Biomedical Applications. <i>Biology</i> , 2020 , 9,	4.9	14
681	An Immunological Approach to the Biocompatibility of Mesoporous SiO-CaO Nanospheres. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
680	Multifunctional antibiotic- and zinc-containing mesoporous bioactive glass scaffolds to fight bone infection. <i>Acta Biomaterialia</i> , 2020 , 114, 395-406	10.8	15
679	Advances in Laser Ablation Synthesized Silicon-Based Nanomaterials for the Prevention of Bacterial Infection. <i>Nanomaterials</i> , 2020 , 10,	5.4	6
678	Mesoporous Silica Nanoparticles for Targeting Subcellular Organelles. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	11

677	Ipriflavone-Loaded Mesoporous Nanospheres with Potential Applications for Periodontal Treatment. <i>Nanomaterials</i> , 2020 , 10,	5.4	8
676	Mesoporous Silica Nanoparticles as a Potential Platform for Vaccine Development against Tuberculosis. <i>Pharmaceutics</i> , 2020 , 12,	6.4	4
675	Mesoporous Silica Nanoparticles for Drug Delivery. <i>Advanced Functional Materials</i> , 2020 , 30, 1902634	15.6	281
674	Biomaterials against Bone Infection. <i>Advanced Healthcare Materials</i> , 2020 , 9, e2000310	10.1	35
673	Antibacterial Nanostructured Ti Coatings by Magnetron Sputtering: From Laboratory Scales to Industrial Reactors. <i>Nanomaterials</i> , 2019 , 9,	5.4	16
672	Overcoming the stability, toxicity, and biodegradation challenges of tumor stimuli-responsive inorganic nanoparticles for delivery of cancer therapeutics. <i>Expert Opinion on Drug Delivery</i> , 2019 , 16, 1095-1112	8	38
671	Ultrasound responsive mesoporous silica nanoparticles for biomedical applications. <i>Chemical Communications</i> , 2019 , 55, 2731-2740	5.8	44
670	Bioceramics: from bone substitutes to nanoparticles for drug delivery. <i>Pure and Applied Chemistry</i> , 2019 , 91, 687-706	2.1	12
669	Ceramics as bone repair materials 2019 , 141-178		16
668	Fabrication of a nanoparticle-containing 3D porous bone scaffold with proangiogenic and antibacterial properties. <i>Acta Biomaterialia</i> , 2019 , 86, 441-449	10.8	25
667	Assembly of Multicomponent Nano-Bioconjugates Composed of Mesoporous Silica Nanoparticles, Proteins, and Gold Nanoparticles. <i>ACS Omega</i> , 2019 , 4, 11044-11052	3.9	4
666	Nanoparticles to Knockdown Osteoporosis-Related Gene and Promote Osteogenic Marker Expression for Osteoporosis Treatment. <i>ACS Nano</i> , 2019 , 13, 5451-5464	16.7	51
665	Zinc oxide nanocrystals as a nanoantibiotic and osteoinductive agent. <i>RSC Advances</i> , 2019 , 9, 11312-11321	3.7	24
664	Advances in mesoporous silica nanoparticles for targeted stimuli-responsive drug delivery: an update. <i>Expert Opinion on Drug Delivery</i> , 2019 , 16, 415-439	8	86
663	Osteostatin potentiates the bioactivity of mesoporous glass scaffolds containing Zn ions in human mesenchymal stem cells. <i>Acta Biomaterialia</i> , 2019 , 89, 359-371	10.8	24
662	Mesoporous bioactive glass/e-polycaprolactone scaffolds promote bone regeneration in osteoporotic sheep. <i>Acta Biomaterialia</i> , 2019 , 90, 393-402	10.8	35
661	Functional Mesoporous Silica Nanocomposites: Biomedical applications and Biosafety. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	31
660	Cancer cell targeting and therapeutic delivery of silver nanoparticles by mesoporous silica nanocarriers: insights into the action mechanisms using quantitative proteomics. <i>Nanoscale</i> , 2019 , 11, 4531-4545	7.7	30

659	Nanomaterials as Promising Alternative in the Infection Treatment. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	73
658	Cerium (III) and (IV) containing mesoporous glasses/alginate beads for bone regeneration: bioactivity, biocompatibility and reactive oxygen species activity. <i>Materials Science and Engineering C</i> , 2019 , 105,	8.3	33
657	Concanavalin A-targeted mesoporous silica nanoparticles for infection treatment. <i>Acta Biomaterialia</i> , 2019 , 96, 547-556	10.8	29
656	Mesoporous bioactive glasses for biomedical composites 2019 , 355-391		3
655	Suicide-gene transfection of tumor-tropic placental stem cells employing ultrasound-responsive nanoparticles. <i>Acta Biomaterialia</i> , 2019 , 83, 372-378	10.8	19
654	Synergistic effect of Si-hydroxyapatite coating and VEGF adsorption on Ti6Al4V-ELI scaffolds for bone regeneration in an osteoporotic bone environment. <i>Acta Biomaterialia</i> , 2019 , 83, 456-466	10.8	43
653	Molecular Scaffolds as Double-Targeting Agents For the Diagnosis and Treatment of Neuroblastoma. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 3067-3072	16.4	13
652	Mixed-charge pseudo-zwitterionic mesoporous silica nanoparticles with low-fouling and reduced cell uptake properties. <i>Acta Biomaterialia</i> , 2019 , 84, 317-327	10.8	43
651	Molecular Scaffolds as Double-Targeting Agents For the Diagnosis and Treatment of Neuroblastoma. <i>Angewandte Chemie</i> , 2019 , 131, 3099-3104	3.6	4
650	Mesoporous silica nanoparticles engineered for ultrasound-induced uptake by cancer cells. <i>Nanoscale</i> , 2018 , 10, 6402-6408	7.7	46
649	Reversible Nanogate System for Mesoporous Silica Nanoparticles Based on Diels-Alder Adducts. <i>Chemistry - A European Journal</i> , 2018 , 24, 6992-7001	4.8	5
648	From proof-of-concept material to PEGylated and modularly targeted ultrasound-responsive mesoporous silica nanoparticles. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 2785-2794	7.3	26
647	Mesoporous silica nanoparticles functionalized with hyaluronic acid. Effect of the biopolymer chain length on cell internalization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 168, 50-59	6	38
646	Amine-Functionalized Mesoporous Silica Nanoparticles: A New Nanoantibiotic for Bone Infection Treatment. <i>Biomedical Glasses</i> , 2018 , 4, 1-12	2.7	29
645	Self-immolative chemistry in nanomedicine. <i>Chemical Engineering Journal</i> , 2018 , 340, 24-31	14.7	23
644	Mesoporous silica nanoparticles decorated with polycationic dendrimers for infection treatment. <i>Acta Biomaterialia</i> , 2018 , 68, 261-271	10.8	65
643	Mesoporous core-shell silica nanoparticles with anti-fouling properties for ovarian cancer therapy. <i>Chemical Engineering Journal</i> , 2018 , 340, 114-124	14.7	45
642	Interactions between bovine serum albumin and mesoporous silica nanoparticles functionalized with biopolymers. <i>Chemical Engineering Journal</i> , 2018 , 340, 42-50	14.7	46

641	Collagenase nanocapsules: An approach to fibrosis treatment. <i>Acta Biomaterialia</i> , 2018 , 74, 430-438	10.8	12
640	Beyond Traditional Hyperthermia: In Vivo Cancer Treatment with Magnetic-Responsive Mesoporous Silica Nanocarriers. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 12518-12525	9.5	80
639	Polydopamine-like Coatings as Payload Gatekeepers for Mesoporous Silica Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 7661-7669	9.5	25
638	The response of pre-osteoblasts and osteoclasts to gallium containing mesoporous bioactive glasses. <i>Acta Biomaterialia</i> , 2018 , 76, 333-343	10.8	25
637	Magnetically responsive polymers for drug delivery applications 2018 , 143-168		3
636	Nanomotors for Nucleic Acid, Proteins, Pollutants and Cells Detection. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	9
635	Role of the Short Distance Order in Glass Reactivity. <i>Materials</i> , 2018 , 11,	3.5	9
634	Nanotechnological Strategies for Protein Delivery. <i>Molecules</i> , 2018 , 23,	4.8	33
633	ZnO Nanostructures for Drug Delivery and Theranostic Applications. <i>Nanomaterials</i> , 2018 , 8,	5.4	114
632	Use of bioactive glasses as bone substitutes in orthopedics and traumatology 2018 , 337-364		0
631	Antibiotic release from F-doped nanotubular oxide layer on Ti6Al4V alloy to decrease bacterial viability. <i>Journal of Materials Science: Materials in Medicine</i> , 2018 , 29, 118	4.5	13
630	Heating at the Nanoscale through Drug-Delivery Devices: Fabrication and Synergic Effects in Cancer Treatment with Nanoparticles. <i>Small Methods</i> , 2018 , 2, 1800007	12.8	18
629	Mesoporous silica nanoparticles in nanomedicine applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2018 , 29, 65	4.5	61
628	Induction of VEGF secretion from bone marrow stromal cell line (ST-2) by the dissolution products of mesoporous silica glass particles containing CuO and SrO. <i>Journal of Non-Crystalline Solids</i> , 2018 , 500, 217-224	3.9	9
627	Nanostructures for imaging, medical diagnostics and therapy 2018 , 1-28		3
626	Osteogenic Effect of ZnO-Mesoporous Glasses Loaded with Osteostatin. <i>Nanomaterials</i> , 2018 , 8,	5.4	17
625	Effects of a mesoporous bioactive glass on osteoblasts, osteoclasts and macrophages. <i>Journal of Colloid and Interface Science</i> , 2018 , 528, 309-320	9.3	28
624	Targeted Mesoporous Silica Nanocarriers in Oncology. <i>Current Drug Targets</i> , 2018 , 19, 213-224	3	9

623	Ultrasound-mediated cavitation-enhanced extravasation of mesoporous silica nanoparticles for controlled-release drug delivery. <i>Chemical Engineering Journal</i> , 2018 , 340, 2-8	14.7	60
622	Multifunctional Protocells for Enhanced Penetration in 3D Extracellular Tumoral Matrices. <i>Chemistry of Materials</i> , 2018 , 30, 112-120	9.6	38
621	Lectin-conjugated pH-responsive mesoporous silica nanoparticles for targeted bone cancer treatment. <i>Acta Biomaterialia</i> , 2018 , 65, 393-404	10.8	118
620	Multifunctional pH sensitive 3D scaffolds for treatment and prevention of bone infection. <i>Acta Biomaterialia</i> , 2018 , 65, 450-461	10.8	40
619	The Role of Materials in the Fight against Proteins and Bacteria. <i>Medicines (Basel, Switzerland)</i> , 2018 , 5,	4.1	12
618	Mesoporous Silica Materials as Drug Delivery: "The Nightmare" of Bacterial Infection. <i>Pharmaceutics</i> , 2018 , 10,	6.4	47
617	Highly-Bioreactive Silica-Based Mesoporous Bioactive Glasses Enriched with Gallium(III). <i>Materials</i> , 2018 , 11,	3.5	20
616	Building Block Based Construction of Membrane-Organelle Double Targeted Nanosystem for Two-Drug Delivery. <i>Bioconjugate Chemistry</i> , 2018 , 29, 3677-3685	6.3	10
615	Improved connective integration of a degradable 3D-nano-apatite/agarose scaffold subcutaneously implanted in a rat model. <i>Journal of Biomaterials Applications</i> , 2018 , 33, 741-752	2.9	4
614	Incorporation and effects of mesoporous SiO-CaO nanospheres loaded with ipriflavone on osteoblast/osteoclast cocultures. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018 , 133, 258-268	5.7	11
613	Drug Delivery and Bone Infection. <i>The Enzymes</i> , 2018 , 44, 35-59	2.3	7
612	Controlled Release With Emphasis on Ultrasound-Induced Release. <i>The Enzymes</i> , 2018 , 43, 101-122	2.3	8
611	Overview of Studies Regarding Mesoporous Silica Nanomaterials and Their Biomedical Application. <i>The Enzymes</i> , 2018 , 43, 1-10	2.3	17
610	Mesoporous Bioactive Glasses Equipped with Stimuli-Responsive Molecular Gates for Controlled Delivery of Levofloxacin against Bacteria. <i>Chemistry - A European Journal</i> , 2018 , 24, 18944-18951	4.8	15
609	Features of aminopropyl modified mesoporous silica nanoparticles. Implications on the active targeting capability. <i>Materials Chemistry and Physics</i> , 2018 , 220, 260-269	4.4	5
608	Metabolomic response of osteosarcoma cells to nanographene oxide-mediated hyperthermia. <i>Materials Science and Engineering C</i> , 2018 , 91, 340-348	8.3	7
607	Targeted Chemo-Photothermal Therapy: A Nanomedicine Approximation to Selective Melanoma Treatment. <i>Particle and Particle Systems Characterization</i> , 2018 , 35, 1800148	3.1	18
606	Synthesis, Characterization and Biocompatibility of Mesolamellar Calcium Phosphate Hybrids Prepared by Anionic Surfactant Templating. <i>ChemistrySelect</i> , 2018 , 3, 6880-6891	1.8	2

605	Sol-Gel Silica-Based Biomaterials and Bone Tissue Regeneration 2018 , 3597-3618		0
604	Recent applications of the combination of mesoporous silica nanoparticles with nucleic acids: development of bioresponsive devices, carriers and sensors. <i>Biomaterials Science</i> , 2017 , 5, 353-377	7.4	67
603	Tuning mesoporous silica dissolution in physiological environments: a review. <i>Journal of Materials Science</i> , 2017 , 52, 8761-8771	4.3	65
602	Double Sequential Encrypted Targeting Sequence: A New Concept for Bone Cancer Treatment. <i>Chemistry - A European Journal</i> , 2017 , 23, 7174-7179	4.8	17
601	Management of Cancer in the Older Age Person: An Approach to Complex Medical Decisions. <i>Oncologist</i> , 2017 , 22, 335-342	5.7	22
600	Electron microscopy for inorganic-type drug delivery nanocarriers for antitumoral applications: what does it reveal?. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 2714-2725	7.3	10
599	High glucose alters the secretome of mechanically stimulated osteocyte-like cells affecting osteoclast precursor recruitment and differentiation. <i>Journal of Cellular Physiology</i> , 2017 , 232, 3611-3627	7	10
598	Copper-containing mesoporous bioactive glass nanoparticles as multifunctional agent for bone regeneration. <i>Acta Biomaterialia</i> , 2017 , 55, 493-504	10.8	158
597	Prevention of bacterial adhesion to zwitterionic biocompatible mesoporous glasses. <i>Acta Biomaterialia</i> , 2017 , 57, 472-486	10.8	14
596	Proton Environments in Biomimetic Calcium Phosphates Formed from Mesoporous Bioactive CaO-SiO-PO Glasses : Insights from Solid-State NMR. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 13223-13238	3.8	28
595	Vectorization of ultrasound-responsive nanoparticles in placental mesenchymal stem cells for cancer therapy. <i>Nanoscale</i> , 2017 , 9, 5528-5537	7.7	39
594	Self-immolative polymers as novel pH-responsive gate keepers for drug delivery. <i>RSC Advances</i> , 2017 , 7, 132-136	3.7	43
593	Antibacterial effect of antibiotic-loaded SBA-15 on biofilm formation by Staphylococcus aureus and Staphylococcus epidermidis. <i>Journal of Antibiotics</i> , 2017 , 70, 259-263	3.7	7
592	Molecular gates in mesoporous bioactive glasses for the treatment of bone tumors and infection. <i>Acta Biomaterialia</i> , 2017 , 50, 114-126	10.8	40
591	Synthesis of Polydopamine-Like Nanocapsules via Removal of a Sacrificial Mesoporous Silica Template with Water. <i>Chemistry - A European Journal</i> , 2017 , 23, 2733-2733	4.8	3
590	4.35 Ordered Mesoporous Silica Materials ? 2017 , 644-685		5
589	Materials for Tissue Engineering 2017 , 383-410		
588	Mesoporous Silica Nanoparticles for Drug Delivery: Current Insights. <i>Molecules</i> , 2017 , 23,	4.8	226

587	A novel visible light responsive nanosystem for cancer treatment. <i>Nanoscale</i> , 2017 , 9, 15967-15973	7.7	60
586	Ultrasound-triggered local anaesthesia. <i>Nature Biomedical Engineering</i> , 2017 , 1, 644-653	19	65
585	Janus Mesoporous Silica Nanoparticles for Dual Targeting of Tumor Cells and Mitochondria. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 26697-26706	9.5	75
584	3D scaffold with effective multidrug sequential release against bacteria biofilm. <i>Acta Biomaterialia</i> , 2017 , 49, 113-126	10.8	46
583	Novel ion-doped mesoporous glasses for bone tissue engineering: Study of their structural characteristics influenced by the presence of phosphorous oxide. <i>Journal of Non-Crystalline Solids</i> , 2017 , 455, 90-97	3.9	33
582	Synthesis of Polydopamine-Like Nanocapsules via Removal of a Sacrificial Mesoporous Silica Template with Water. <i>Chemistry - A European Journal</i> , 2017 , 23, 2753-2758	4.8	27
581	Mesoporous silica nanoparticles as a new carrier methodology in the controlled release of the active components in a polypill. <i>European Journal of Pharmaceutical Sciences</i> , 2017 , 97, 1-8	5.1	34
580	Recent advances in porous nanoparticles for drug delivery in antitumoral applications: inorganic nanoparticles and nanoscale metal-organic frameworks. <i>Expert Opinion on Drug Delivery</i> , 2017 , 14, 783-796	8	93
579	Advances in mesoporous silica-based nanocarriers for co-delivery and combination therapy against cancer. <i>Expert Opinion on Drug Delivery</i> , 2017 , 14, 229-243	8	131
578	Dynamics of Novel Photoactive AgCl Microstars and Their Environmental Applications. <i>ChemNanoMat</i> , 2017 , 3, 65-71	3.5	40
577	pH-Responsive Mesoporous Silica and Carbon Nanoparticles for Drug Delivery. <i>Bioengineering</i> , 2017 , 4,	5.3	43
576	Lysine-Grafted MCM-41 Silica as an Antibacterial Biomaterial. <i>Bioengineering</i> , 2017 , 4,	5.3	15
575	Nanoparticles for the treatment of osteoporosis. <i>AIMS Bioengineering</i> , 2017 , 4, 259-274	3.4	24
574	Amine-Functionalized Mesoporous Silica Nanoparticles: A New Nanoantibiotic for Bone Infection Treatment. <i>Biomedical Glasses</i> , 2017 , 3,	2.7	1
573	Glasses in bone regeneration: A multiscale issue. <i>Journal of Non-Crystalline Solids</i> , 2016 , 432, 9-14	3.9	28
572	In vitro colonization of stratified bioactive scaffolds by pre-osteoblast cells. <i>Acta Biomaterialia</i> , 2016 , 44, 73-84	10.8	16
571	Auranofin-loaded nanoparticles as a new therapeutic tool to fight streptococcal infections. <i>Scientific Reports</i> , 2016 , 6, 19525	4.9	25
570	3D silicon doped hydroxyapatite scaffolds decorated with Elastin-like Recombinamers for bone regenerative medicine. <i>Acta Biomaterialia</i> , 2016 , 45, 349-356	10.8	21

569	Effects of immobilized VEGF on endothelial progenitor cells cultured on silicon substituted and nanocrystalline hydroxyapatites. <i>RSC Advances</i> , 2016 , 6, 92586-92595	3.7	7
568	Three-dimensional printed PCL-hydroxyapatite scaffolds filled with CNTs for bone cell growth stimulation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016 , 104, 1210-9	3.5	139
567	Surface zwitterionization of customized 3D Ti6Al4V scaffolds: a promising alternative to eradicate bone infection. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 4356-4365	7.3	14
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