

Mara Vallet Reg

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730
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h-index

172
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773
ext. papers

44,527
ext. citations

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avg. IF

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L-index

#	Paper	IF	Citations
730	Mesoporous materials for drug delivery. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 7548-58	16.4	2049
729	A New Property of MCM-41: Drug Delivery System. <i>Chemistry of Materials</i> , 2001 , 13, 308-311	9.6	1758
728	Metal-organic frameworks as efficient materials for drug delivery. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 5974-8	16.4	1432
727	Flexible porous metal-organic frameworks for a controlled drug delivery. <i>Journal of the American Chemical Society</i> , 2008 , 130, 6774-80	16.4	1369
726	Calcium phosphates as substitution of bone tissues. <i>Progress in Solid State Chemistry</i> , 2004 , 32, 1-31	8	810
725	MCM-41 Organic Modification as Drug Delivery Rate Regulator. <i>Chemistry of Materials</i> , 2003 , 15, 500-503	9.6	556
724	Influence of pore size of MCM-41 matrices on drug delivery rate. <i>Microporous and Mesoporous Materials</i> , 2004 , 68, 105-109	5.3	475
723	Metal-Organic Frameworks as Efficient Materials for Drug Delivery. <i>Angewandte Chemie</i> , 2006 , 118, 6120-6124	3.6	469
722	Ordered mesoporous materials in the context of drug delivery systems and bone tissue engineering. <i>Chemistry - A European Journal</i> , 2006 , 12, 5934-43	4.8	446
721	Sol-gel silica-based biomaterials and bone tissue regeneration. <i>Acta Biomaterialia</i> , 2010 , 6, 2874-88	10.8	424
720	Ceramics for medical applications. <i>Dalton Transactions RSC</i> , 2001 , 97-108		376
719	Confinement and controlled release of bisphosphonates on ordered mesoporous silica-based materials. <i>Journal of the American Chemical Society</i> , 2006 , 128, 8116-7	16.4	372
718	Studies on MCM-41 mesoporous silica for drug delivery: Effect of particle morphology and amine functionalization. <i>Chemical Engineering Journal</i> , 2008 , 137, 30-37	14.7	344
717	Glasses with Medical Applications. <i>European Journal of Inorganic Chemistry</i> , 2003 , 2003, 1029-1042	2.3	341
716	Smart drug delivery through DNA/magnetic nanoparticle gates. <i>ACS Nano</i> , 2011 , 5, 1259-66	16.7	340
715	Polymer-Grafted Mesoporous Silica Nanoparticles as Ultrasound-Responsive Drug Carriers. <i>ACS Nano</i> , 2015 , 9, 11023-33	16.7	324
714	Mesoporous SBA-15 HPLC evaluation for controlled gentamicin drug delivery. <i>Journal of Controlled Release</i> , 2004 , 97, 125-32	11.7	323

713	Medical applications of organic-inorganic hybrid materials within the field of silica-based bioceramics. <i>Chemical Society Reviews</i> , 2011 , 40, 596-607	58.5	308
712	New developments in ordered mesoporous materials for drug delivery. <i>Journal of Materials Chemistry</i> , 2010 , 20, 5593		301
711	Bioceramics: from bone regeneration to cancer nanomedicine. <i>Advanced Materials</i> , 2011 , 23, 5177-218	24	300
710	Ordered Mesoporous Bioactive Glasses for Bone Tissue Regeneration. <i>Chemistry of Materials</i> , 2006 , 18, 3137-3144	9.6	293
709	Revisiting silica based ordered mesoporous materials: medical applications. <i>Journal of Materials Chemistry</i> , 2006 , 16, 26-31		293
708	Magnetically Triggered Multidrug Release by Hybrid Mesoporous Silica Nanoparticles. <i>Chemistry of Materials</i> , 2012 , 24, 517-524	9.6	285
707	Functionalization of mesoporous materials with long alkyl chains as a strategy for controlling drug delivery pattern. <i>Journal of Materials Chemistry</i> , 2006 , 16, 462-466		283
706	Mesoporous Silica Nanoparticles for Drug Delivery. <i>Advanced Functional Materials</i> , 2020 , 30, 1902634	15.6	281
705	The dissolution and biological effects of silver nanoparticles in biological media. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 1634-1643	7.3	257
704	Mesoporous Silica Nanoparticles for Drug Delivery: Current Insights. <i>Molecules</i> , 2017 , 23,	4.8	226
703	A new method to produce macropores in calcium phosphate cements. <i>Biomaterials</i> , 2002 , 23, 3673-80	15.6	225
702	In vitro biocompatibility assessment of poly(epsilon-caprolactone) films using L929 mouse fibroblasts. <i>Biomaterials</i> , 2004 , 25, 5603-11	15.6	218
701	Silicon substituted hydroxyapatites. A method to upgrade calcium phosphate based implants. <i>Journal of Materials Chemistry</i> , 2005 , 15, 1509-1516		206
700	A unified in vitro evaluation for apatite-forming ability of bioactive glasses and their variants. <i>Journal of Materials Science: Materials in Medicine</i> , 2015 , 26, 115	4.5	203
699	Advances in mesoporous silica nanoparticles for targeted stimuli-responsive drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2015 , 12, 319-37	8	202
698	Bioceramics for drug delivery. <i>Acta Materialia</i> , 2013 , 61, 890-911	8.4	200
697	Mesoporous silica nanoparticles for the design of smart delivery nanodevices. <i>Biomaterials Science</i> , 2013 , 1, 114-134	7.4	199
696	Bioactivity of a CaO/BiO ₂ Binary Glasses System. <i>Chemistry of Materials</i> , 2000 , 12, 3080-3088	9.6	191

695	Release evaluation of drugs from ordered three-dimensional silica structures. <i>European Journal of Pharmaceutical Sciences</i> , 2005 , 26, 365-73	5.1	189
694	Revisiting ceramics for medical applications. <i>Dalton Transactions</i> , 2006 , 5211-20	4.3	183
693	The influence of proteins on the dispersability and cell-biological activity of silver nanoparticles. <i>Journal of Materials Chemistry</i> , 2010 , 20, 512-518		176
692	Hexagonal ordered mesoporous material as a matrix for the controlled release of amoxicillin. <i>Solid State Ionics</i> , 2004 , 172, 435-439	3.3	174
691	Tissue regeneration: A new property of mesoporous materials. <i>Solid State Sciences</i> , 2005 , 7, 983-989	3.4	172
690	Mesoporous MCM-41 as Drug Host System. <i>Journal of Sol-Gel Science and Technology</i> , 2003 , 26, 1199-1202	3	163
689	Ordered Mesoporous Microspheres for Bone Grafting and Drug Delivery. <i>Chemistry of Materials</i> , 2009 , 21, 1000-1009	9.6	162
688	In vitro bioactivity of silicon-substituted hydroxyapatites. <i>Journal of Biomedical Materials Research - Part A</i> , 2003 , 66, 364-75	5.4	161
687	Copper-containing mesoporous bioactive glass nanoparticles as multifunctional agent for bone regeneration. <i>Acta Biomaterialia</i> , 2017 , 55, 493-504	10.8	158
686	XRD, SEM-EDS, and FTIR studies of in vitro growth of an apatite-like layer on sol-gel glasses. <i>Journal of Biomedical Materials Research Part B</i> , 1999 , 44, 416-21		149
685	Drug delivery from ordered mesoporous matrices. <i>Expert Opinion on Drug Delivery</i> , 2009 , 6, 1383-400	8	147
684	Controlled Crystallization of Calcium Phosphate Apatites. <i>Chemistry of Materials</i> , 2000 , 12, 2460-2465	9.6	147
683	Nanostructured mesoporous silica matrices in nanomedicine. <i>Journal of Internal Medicine</i> , 2010 , 267, 22-43	10.8	145
682	Effect of magnesium content on the in vitro bioactivity of CaO-MgO-SiO ₂ -P ₂ O ₅ sol-gel glasses. <i>Journal of Materials Chemistry</i> , 1999 , 9, 515-518		144
681	Aerosol-Assisted Synthesis of Magnetic Mesoporous Silica Spheres for Drug Targeting. <i>Chemistry of Materials</i> , 2007 , 19, 3455-3463	9.6	140
680	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
679	Cation distribution and intrinsic magnetic properties of Co-Ti-doped M-type barium ferrite. <i>Journal of Applied Physics</i> , 1991 , 70, 1614-1623	2.5	139
678	Fabrication of novel Si-doped hydroxyapatite/gelatine scaffolds by rapid prototyping for drug delivery and bone regeneration. <i>Acta Biomaterialia</i> , 2015 , 15, 200-9	10.8	138

677	Mesoporöse Materialien für den Wirkstofftransport. <i>Angewandte Chemie</i> , 2007 , 119, 7692-7703	3.6	138
676	Structure and functionalization of mesoporous bioceramics for bone tissue regeneration and local drug delivery. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012 , 370, 1400-21	3	135
675	Bioactive sol-gel glasses with and without a hydroxycarbonate apatite layer as substrates for osteoblast cell adhesion and proliferation. <i>Biomaterials</i> , 2003 , 24, 3383-93	15.6	135
674	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
673	The A ₂ SnO ₃ (A=Ca,Sr) perovskites. <i>Acta Crystallographica Section B: Structural Science</i> , 1986 , 42, 167-172		129
672	Nano-graphene oxide: a potential multifunctional platform for cancer therapy. <i>Advanced Healthcare Materials</i> , 2013 , 2, 1072-90	10.1	128
671	Substitutions of cerium, gallium and zinc in ordered mesoporous bioactive glasses. <i>Acta Biomaterialia</i> , 2011 , 7, 3452-8	10.8	128
670	Bioactive ceramics: from bone grafts to tissue engineering. <i>RSC Advances</i> , 2013 , 3, 11116	3.7	126
669	Endocytic mechanisms of graphene oxide nanosheets in osteoblasts, hepatocytes and macrophages. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 13697-706	9.5	125
668	Influence of mesoporous structure type on the controlled delivery of drugs: release of ibuprofen from MCM-48, SBA-15 and functionalized SBA-15. <i>Journal of Sol-Gel Science and Technology</i> , 2009 , 50, 421-429	2.3	124
667	The effects of graphene oxide nanosheets localized on F-actin filaments on cell-cycle alterations. <i>Biomaterials</i> , 2013 , 34, 1562-9	15.6	120
666	Long term degradation of poly(ϵ -caprolactone) films in biologically related fluids. <i>Polymer Degradation and Stability</i> , 2006 , 91, 1424-1432	4.7	120
665	Substituted hydroxyapatite coatings of bone implants. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 1781-1800	17.9	119
664	Influence of superficial organic modification of MCM-41 matrices on drug delivery rate. <i>Solid State Sciences</i> , 2006 , 8, 1243-1249	3.4	118
663	Lectin-conjugated pH-responsive mesoporous silica nanoparticles for targeted bone cancer treatment. <i>Acta Biomaterialia</i> , 2018 , 65, 393-404	10.8	118
662	Sol-Gel Glasses as Precursors of Bioactive Glass Ceramics. <i>Chemistry of Materials</i> , 2003 , 15, 798-806	9.6	117
661	ZnO Nanostructures for Drug Delivery and Theranostic Applications. <i>Nanomaterials</i> , 2018 , 8,	5.4	114
660	Bone-regenerative bioceramic implants with drug and protein controlled delivery capability. <i>Progress in Solid State Chemistry</i> , 2008 , 36, 163-191	8	114

659	Static and dynamic in vitro study of a sol-gel glass bioactivity. <i>Biomaterials</i> , 2001 , 22, 2301-6	15.6	113
658	Influence of the Stabilization Temperature on Textural and Structural Features and Ion Release in SiO ₂ -CaO-P ₂ O ₅ Sol-Gel Glasses. <i>Chemistry of Materials</i> , 2002 , 14, 1515-1522	9.6	112
657	Multinuclear Solid-State NMR Studies of Ordered Mesoporous Bioactive Glasses. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 5552-5562	3.8	111
656	Magnetic mesoporous silica-based core/shell nanoparticles for biomedical applications. <i>RSC Advances</i> , 2013 , 3, 9584	3.7	109
655	Functionalization degree of SBA-15 as key factor to modulate sodium alendronate dosage. <i>Microporous and Mesoporous Materials</i> , 2008 , 116, 4-13	5.3	109
654	Hydroxyapatite, tricalcium phosphate and biphasic materials prepared by a liquid mix technique. <i>Journal of the European Ceramic Society</i> , 2003 , 23, 1687-1696	6	109
653	High-Performance Mesoporous Bioceramics Mimicking Bone Mineralization. <i>Chemistry of Materials</i> , 2008 , 20, 3191-3198	9.6	108
652	Bioactivity of three CaO-P ₂ O ₅ -SiO ₂ sol-gel glasses. <i>Journal of Biomedical Materials Research Part B</i> , 2002 , 61, 524-32		108
651	Magnetic mesoporous silica spheres for hyperthermia therapy. <i>Acta Biomaterialia</i> , 2010 , 6, 4522-31	10.8	107
650	Bioactivity in glass/PMMA composites used as drug delivery system. <i>Biomaterials</i> , 2001 , 22, 701-8	15.6	106
649	A tissue engineering approach based on the use of bioceramics for bone repair. <i>Biomaterials Science</i> , 2013 , 1, 40-51	7.4	104
648	The influence of the phosphorus content on the bioactivity of sol-gel glass ceramics. <i>Biomaterials</i> , 2005 , 26, 475-83	15.6	104
647	The relevance of biomaterials to the prevention and treatment of osteoporosis. <i>Acta Biomaterialia</i> , 2014 , 10, 1793-805	10.8	103
646	Mesoporous bioactive scaffolds prepared with cerium-, gallium- and zinc-containing glasses. <i>Acta Biomaterialia</i> , 2013 , 9, 4836-44	10.8	103
645	Metal-insulator transition in oxygen-deficient LaNiO _{3-x} perovskites. <i>Physical Review B</i> , 1996 , 54, 16574-16578	15.7	103
644	Incorporation of antimicrobial compounds in mesoporous silica film monolith. <i>Biomaterials</i> , 2009 , 30, 5729-36	15.6	101
643	Interaction of an ordered mesoporous bioactive glass with osteoblasts, fibroblasts and lymphocytes, demonstrating its biocompatibility as a potential bone graft material. <i>Acta Biomaterialia</i> , 2010 , 6, 892-9	10.8	101
642	Silicon Incorporation in Hydroxylapatite Obtained by Controlled Crystallization. <i>Chemistry of Materials</i> , 2004 , 16, 2300-2308	9.6	101

641	In vitro calcium phosphate layer formation on sol-gel glasses of the CaO-SiO ₂ system. <i>Journal of Biomedical Materials Research Part B</i> , 1999 , 47, 243-50		100
640	In vivo bone response to porous calcium phosphate cement. <i>Journal of Biomedical Materials Research - Part A</i> , 2003 , 65, 30-6	5.4	99
639	Hydroxyapatite/tricalcium phosphate/agarose macroporous scaffolds for bone tissue engineering. <i>Chemical Engineering Journal</i> , 2008 , 137, 62-71	14.7	95
638	Influence of P ₂ O ₅ on crystallinity of apatite formed in vitro on surface of bioactive glasses. <i>Journal of Biomedical Materials Research Part B</i> , 1999 , 46, 560-5		94
637	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
636	Adsorption and catalytic properties of MCM-22: The influence of zeolite structure. <i>Zeolites</i> , 1996 , 16, 7-14		92
635	Evolution of bioceramics within the field of biomaterials. <i>Comptes Rendus Chimie</i> , 2010 , 13, 174-185	2.7	90
634	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
633	Dip coated silicon-substituted hydroxyapatite films. <i>Acta Biomaterialia</i> , 2006 , 2, 567-74	10.8	86
632	A New Microporous Polymorph of Silica Isomorphous to Zeolite MCM-22. <i>Chemistry of Materials</i> , 1996 , 8, 2415-2417	9.6	86
631	Essential Role of Calcium Phosphate Heterogeneities in 2D-Hexagonal and 3D-Cubic SiO ₂ -CaO-P ₂ O ₅ Mesoporous Bioactive Glasses. <i>Chemistry of Materials</i> , 2009 , 21, 5474-5484	9.6	85
630	A new quantitative method to evaluate the in vitro bioactivity of melt and sol-gel-derived silicate glasses. <i>Journal of Biomedical Materials Research - Part A</i> , 2003 , 65, 344-51	5.4	85
629	Hydroxyapatite/SiO ₂ -CaO-P ₂ O ₅ glass materials: in vitro bioactivity and biocompatibility. <i>Acta Biomaterialia</i> , 2006 , 2, 331-42	10.8	84
628	Controlled release of Ibuprofen from dealuminated faujasites. <i>Solid State Sciences</i> , 2006 , 8, 1459-1465	3.4	83
627	Preparation of 3-D scaffolds in the SiO ₂ -P ₂ O ₅ system with tailored hierarchical meso-macroporosity. <i>Acta Biomaterialia</i> , 2011 , 7, 1265-73	10.8	82
626	Bioactivity in ordered mesoporous materials. <i>Solid State Sciences</i> , 2004 , 6, 1295-1300	3.4	82
625	Synthesis and Characterization of Zwitterionic SBA-15 Nanostructured Materials. <i>Chemistry of Materials</i> , 2010 , 22, 6459-6466	9.6	81
624	Silica materials for medical applications. <i>Open Biomedical Engineering Journal</i> , 2008 , 2, 1-9	0.9	81

623	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
622	Surface electrochemistry of mesoporous silicas as a key factor in the design of tailored delivery devices. <i>Langmuir</i> , 2010 , 26, 5038-49	4	79
621	Advanced Drug Delivery Vectors with Tailored Surface Properties Made of Mesoporous Binary Oxides Submicronic Spheres. <i>Chemistry of Materials</i> , 2010 , 22, 1821-1830	9.6	79
620	Preparation and in vitro bioactivity of hydroxyapatite/solgel glass biphasic material. <i>Biomaterials</i> , 2002 , 23, 1865-72	15.6	79
619	Fabrication of hydroxyapatite bodies by uniaxial pressing from a precipitated powder. <i>Biomaterials</i> , 2001 , 22, 583-8	15.6	79
618	Structural study and stability of hydroxyapatite and beta-tricalcium phosphate: two important bioceramics. <i>Journal of Biomedical Materials Research Part B</i> , 2000 , 51, 660-8		79
617	Recent advances in ceramic implants as drug delivery systems for biomedical applications. <i>International Journal of Nanomedicine</i> , 2008 , 3, 403-14	7.3	78
616	Solid State NMR Characterisation of Encapsulated Molecules in Mesoporous Silica. <i>Journal of Sol-Gel Science and Technology</i> , 2004 , 31, 219-223	2.3	78
615	Novel Method To Enlarge the Surface Area of SBA-15. <i>Chemistry of Materials</i> , 2007 , 19, 3099-3101	9.6	77
614	Hydroxyapatite ceramic bodies with tailored mechanical properties for different applications. <i>Journal of Biomedical Materials Research Part B</i> , 2002 , 60, 159-66		77
613	Magnetic-Responsive Release Controlled by Hot Spot Effect. <i>Langmuir</i> , 2015 , 31, 12777-82	4	76
612	Biomimetic Apatite Deposition on Calcium Silicate Gel Glasses. <i>Journal of Sol-Gel Science and Technology</i> , 2001 , 21, 13-25	2.3	76
611	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
610	Nanocolumnar coatings with selective behavior towards osteoblast and Staphylococcus aureus proliferation. <i>Acta Biomaterialia</i> , 2015 , 15, 20-8	10.8	75
609	Asymmetric hybrid silica nanomotors for capture and cargo transport: towards a novel motion-based DNA sensor. <i>Small</i> , 2012 , 8, 2053-9	11	75
608	Osteostatin-loaded bioceramics stimulate osteoblastic growth and differentiation. <i>Acta Biomaterialia</i> , 2010 , 6, 797-803	10.8	75
607	L-Trp adsorption into silica mesoporous materials to promote bone formation. <i>Acta Biomaterialia</i> , 2008 , 4, 514-22	10.8	75
606	Electronic structure and metal-insulator transition in LaNiO ₃ . <i>Physical Review B</i> , 2002 , 65,	3.3	75

605	Recent advances in mesoporous silica nanoparticles for antitumor therapy: our contribution. <i>Biomaterials Science</i> , 2016 , 4, 803-13	7.4	74
604	In vitro bioactivity of glass and glass-ceramics of the $3\text{CaO} \times \text{P}_2\text{O}_5\text{-CaO} \times \text{SiO}_2\text{-CaO} \times \text{MgO} \times 2\text{SiO}_2$ system. <i>Biomaterials</i> , 2000 , 21, 251-7	15.6	74
603	New Bioactive Glass and Changes in Porosity during the Growth of a Carbonate Hydroxyapatite Layer on Glass Surfaces. <i>Chemistry of Materials</i> , 2000 , 12, 961-965	9.6	74
602	Nanomaterials as Promising Alternative in the Infection Treatment. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	73
601	In vitro structural changes in porous HA/beta-TCP scaffolds in simulated body fluid. <i>Acta Biomaterialia</i> , 2009 , 5, 2738-51	10.8	73
600	The osteoinductive properties of mesoporous silicate coated with osteostatin in a rabbit femur cavity defect model. <i>Biomaterials</i> , 2010 , 31, 8564-73	15.6	73
599	Functionalizing mesoporous bioglasses for long-term anti-osteoporotic drug delivery. <i>Chemistry - A European Journal</i> , 2010 , 16, 10879-86	4.8	73
598	Phosphorous-doped MCM-41 as bioactive material. <i>Solid State Sciences</i> , 2005 , 7, 233-237	3.4	72
597	Synthesis Routes for Bioactive Sol-Gel Glasses: Alkoxides versus Nitrates. <i>Chemistry of Materials</i> , 2002 , 14, 542-548	9.6	71
596	Brownmillerite-type microdomains in the calcium lanthanum ferrites: $\text{Ca}_x\text{La}_{1-x}\text{FeO}_3$. <i>Journal of Solid State Chemistry</i> , 1983 , 49, 219-231	3.3	71
595	In vitro antibacterial capacity and cytocompatibility of $\text{SiO}_2\text{-CaO-PO}$ meso-macroporous glass scaffolds enriched with ZnO. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 4836-4847	7.3	70
594	Biomimetic Apatite Mineralization Mechanisms of Mesoporous Bioactive Glasses as Probed by Multinuclear ^{31}P , ^{29}Si , ^{23}Na and ^{13}C Solid-State NMR. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 19345-19356	3.8	70
593	A novel bioactive and magnetic biphasic material. <i>Biomaterials</i> , 2002 , 23, 2151-8	15.6	70
592	In vitro bioactivity and gentamicin release from glass-polymer-antibiotic composites. <i>Journal of Biomedical Materials Research Part B</i> , 2000 , 51, 424-9		69
591	Surface and Chemical Study of $\text{SiO}_2\text{-P}_2\text{O}_5\text{-CaO-(MgO)}$ Bioactive Glasses. <i>Chemistry of Materials</i> , 2000 , 12, 750-755	9.6	69
590	Bioactive glass-polymer materials for controlled release of ibuprofen. <i>Biomaterials</i> , 2003 , 24, 4037-43	15.6	68
589	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
588	Bioceramics and pharmaceuticals: A remarkable synergy. <i>Solid State Sciences</i> , 2007 , 9, 768-776	3.4	67

587	Compositional Variations in the Calcium Phosphate Layer Growth on Gel Glasses Soaked in a Simulated Body Fluid. <i>Chemistry of Materials</i> , 2000 , 12, 3770-3775	9.6	67
586	Nanostructure of Bioactive Sol-Gel Glasses and Organic-Inorganic Hybrids. <i>Chemistry of Materials</i> , 2005 , 17, 1874-1879	9.6	66
585	Calcium sulphate-based cements containing cephalexin. <i>Biomaterials</i> , 2004 , 25, 2629-35	15.6	66
584	Evolution of porosity during in vitro hydroxycarbonate apatite growth in sol-gel glasses. <i>Journal of Biomedical Materials Research Part B</i> , 2000 , 51, 23-8		66
583	Influence of composition and surface characteristics on the in vitro bioactivity of SiO ₂ -CaO-P ₂ O ₅ -MgO sol-gel glasses. <i>Journal of Biomedical Materials Research Part B</i> , 1999 , 47, 170-5		66
582	Tuning mesoporous silica dissolution in physiological environments: a review. <i>Journal of Materials Science</i> , 2017 , 52, 8761-8771	4.3	65
581	Mesoporous silica nanoparticles decorated with polycationic dendrimers for infection treatment. <i>Acta Biomaterialia</i> , 2018 , 68, 261-271	10.8	65
580	Ultrasound-triggered local anaesthesia. <i>Nature Biomedical Engineering</i> , 2017 , 1, 644-653	19	65
579	Smart Mesoporous Nanomaterials for Antitumor Therapy. <i>Nanomaterials</i> , 2015 , 5, 1906-1937	5.4	65
578	Hybrid Collagenase Nanocapsules for Enhanced Nanocarrier Penetration in Tumoral Tissues. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 24075-81	9.5	64
577	Mesoporous silica nanoparticles grafted with a light-responsive protein shell for highly cytotoxic antitumoral therapy. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 5746-5752	7.3	63
576	In vitro stability of SBA-15 under physiological conditions. <i>Microporous and Mesoporous Materials</i> , 2010 , 132, 442-452	5.3	63
575	Vascular endothelial and smooth muscle cell culture on NaOH-treated poly(epsilon-caprolactone) films: a preliminary study for vascular graft development. <i>Macromolecular Bioscience</i> , 2005 , 5, 415-23	5.5	63
574	Direct Phasing in Electron Crystallography: Ab Initio Determination of a New MCM-22 Zeolite Structure. <i>Journal of the American Chemical Society</i> , 1995 , 117, 8947-8956	16.4	63
573	Mesoporous silica nanoparticles in nanomedicine applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2018 , 29, 65	4.5	61
572	Synthesis and characterisation of calcium deficient apatite. <i>Solid State Ionics</i> , 1997 , 101-103, 1279-1285	3.3	61
571	Colloidal processing of hydroxyapatite. <i>Biomaterials</i> , 2001 , 22, 1847-52	15.6	61
570	Stabilization of Calcium Oxyapatites with Lanthanum(III)-Created Anionic Vacancies. <i>Chemistry of Materials</i> , 2000 , 12, 3836-3841	9.6	61

569	Mesoporous Silica Nanoparticles for the Treatment of Complex Bone Diseases: Bone Cancer, Bone Infection and Osteoporosis. <i>Pharmaceutics</i> , 2020 , 12,	6.4	60
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