Marica IvankoviÄ

List of Publications by Year
in descending order

47 papers	1,546 citations	304602 22 h-index	302012 39 g-index
47 all docs	47 docs citations	47 times ranked	2045 citing authors

#	Article	IF	Citations
1	Comparison of the properties of clay polymer nanocomposites prepared by montmorillonite modified by silane and by quaternary ammonium salts. Applied Clay Science, 2013, 85, 109-115.	2.6	111
2	PCL-coated hydroxyapatite scaffold derived from cuttlefish bone: Morphology, mechanical properties and bioactivity. Materials Science and Engineering C, 2014, 34, 437-445.	3.8	103
3	Cure kinetics of neat and carbon-fiber-reinforced TGDDM/DDS epoxy systems. Journal of Applied Polymer Science, 1996, 61, 1025-1037.	1.3	99
4	Curing kinetics and chemorheology of epoxy/anhydride system. Journal of Applied Polymer Science, 2003, 90, 3012-3019.	1.3	96
5	Thermal degradation of epoxyâ€"silica organicâ€"inorganic hybrid materials. Polymer Degradation and Stability, 2006, 91, 122-127.	2.7	92
6	Preparation of highly porous hydroxyapatite from cuttlefish bone. Journal of Materials Science: Materials in Medicine, 2009, 20, 1039-1046.	1.7	71
7	Cellular hydrogels based on pH-responsive chitosan-hydroxyapatite system. Carbohydrate Polymers, 2017, 166, 173-182.	5.1	71
8	PCL-coated hydroxyapatite scaffold derived from cuttlefish bone: In vitro cell culture studies. Materials Science and Engineering C, 2014, 42, 264-272.	3.8	63
9	Injectable chitosan-hydroxyapatite hydrogels promote the osteogenic differentiation of mesenchymal stem cells. Carbohydrate Polymers, 2018, 197, 469-477.	5.1	59
10	Lysozyme-Induced Degradation of Chitosan: The Characterisation of Degraded Chitosan Scaffolds. Journal of Tissue Repair and Regeneration, 2017, 1, 12-22.	2.0	55
11	Preparation and characterization of nano-hydroxyapatite within chitosan matrix. Materials Science and Engineering C, 2013, 33, 4539-4544.	3.8	49
12	Macroporous poly(lactic acid) construct supporting the osteoinductive porous chitosan-based hydrogel for bone tissue engineering. Polymer, 2016, 98, 172-181.	1.8	48
13	Study of cure kinetics of epoxy-silica organicâ€"inorganic hybrid materials. Thermochimica Acta, 2004, 414, 219-225.	1.2	47
14	Gas transport and thermal characterization of mono- and di-polyethylene films used for food packaging. Journal of Applied Polymer Science, 2006, 99, 1590-1599.	1.3	45
15	DSC study of the cure kinetics during nanocomposite formation: Epoxy/poly(oxypropylene) diamine/organically modified montmorillonite system. Journal of Applied Polymer Science, 2006, 99, 550-557.	1.3	44
16	Synthesis and characterization of organic-inorganic hybrids based on epoxy resin and 3-glycidyloxypropyltrimethoxysilane. Journal of Applied Polymer Science, 2004, 92, 498-505.	1.3	38
17	Effect of in situ formed hydroxyapatite on microstructure of freeze-gelled chitosan-based biocomposite scaffolds. European Polymer Journal, 2015, 68, 278-287.	2.6	34
18	Preparation and properties of organicâ€"inorganic hybrids based on poly(methyl methacrylate) and solâ€"gel polymerized 3-glycidyloxypropyltrimethoxysilane. Polymer, 2009, 50, 2544-2550.	1.8	33

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19	Effect of Temperature and Mechanical Stress on Barrier Properties of Polymeric Films Used for Food Packaging. Journal of Plastic Film and Sheeting, 2007, 23, 239-256.	1.3	27
20	Osteogenic differentiation of human mesenchymal stem cells on substituted calcium phosphate/chitosan composite scaffold. Carbohydrate Polymers, 2022, 277, 118883.	5.1	26
21	Thermal degradation kinetics of epoxy/organically modified montmorillonite nanocomposites. Journal of Applied Polymer Science, 2008, 107, 1932-1938.	1.3	23
22	Modification of montmorillonite by quaternary polyesters. Journal of Non-Crystalline Solids, 2008, 354, 3326-3331.	1.5	23
23	DSC study on simultaneous interpenetrating polymer network formation of epoxy resin and unsaturated polyester. Journal of Applied Polymer Science, 2002, 83, 2689-2698.	1.3	22
24	Human Mesenchymal Stem Cells Differentiation Regulated by Hydroxyapatite Content within Chitosan-Based Scaffolds under Perfusion Conditions. Polymers, 2017, 9, 387.	2.0	21
25	Tuning physicochemical and biological properties of chitosan through complexation with transition metal ions. International Journal of Biological Macromolecules, 2019, 129, 645-652.	3.6	20
26	From Bio-waste to Bone Substitute. Chemical and Biochemical Engineering Quarterly, 2020, 34, 59-71.	0.5	20
27	Bone-mimetic porous hydroxyapatite/whitlockite scaffolds: preparation, characterization and interactions with human mesenchymal stem cells. Journal of Materials Science, 2021, 56, 3947-3969.	1.7	20
28	In Situ Hydroxyapatite Content Affects the Cell Differentiation on Porous Chitosan/Hydroxyapatite Scaffolds. Annals of Biomedical Engineering, 2016, 44, 1107-1119.	1.3	19
29	Modeling the effect of the curing conversion on the dynamic viscosity of epoxy resins cured by an anhydride curing agent. Journal of Applied Polymer Science, 2010, 115, 1671-1674.	1.3	18
30	Strontium substituted biomimetic calcium phosphate system derived from cuttlefish bone. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 1697-1709.	1.6	17
31	Modification of montmorillonite by cationic polyesters. Applied Clay Science, 2009, 43, 420-424.	2.6	16
32	Montmorillonite modified with liquid crystalline diol hydrochlorides: Preparation and characterization. Journal of Non-Crystalline Solids, 2008, 354, 1986-1991.	1.5	14
33	Highly porous hydroxyapatite derived from cuttlefish bone as tio2 catalyst support. Processing and Application of Ceramics, 2018, 12, 136-142.	0.4	14
34	Isothermal and nonisothermal cure kinetics of an epoxy/poly(oxypropylene)diamine/octadecylammonium modified montmorillonite system. Journal of Applied Polymer Science, 2006, 100, 1765-1771.	1.3	12
35	Selenite Substituted Calcium Phosphates: Preparation, Characterization, and Cytotoxic Activity. Materials, 2021, 14, 3436.	1.3	11
36	Estimation of the compatibility of poly(2,6-dimethyl-1,4-phenylene oxide) and poly(fluorostyrene-co-bromostyrene) from dilute solution viscosity measurements. European Polymer Journal, 1992, 28, 5-7.	2.6	10

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37	Characterization of Chitosan-Based Scaffolds Seeded with Sheep Nasal Chondrocytes for Cartilage Tissue Engineering. Annals of Biomedical Engineering, 2021, 49, 1572-1586.	1.3	10
38	Electrosprayed Chitosanâ€“Copper Complex Microspheres with Uniform Size. Materials, 2021, 14, 5630.	1.3	9
39	The bioactivity of titanium-cuttlefish bone-derived hydroxyapatite composites sintered at low temperature. Powder Metallurgy, 2020, 63, 300-310.	0.9	7
40	Preparation of Highly Porous Hydroxyapatite Ceramics from Cuttlefish Bone. Advances in Science and Technology, 2006, 49, 142.	0.2	6
41	Metal ion-assisted formation of porous chitosan-based microspheres for biomedical applications. International Journal of Polymeric Materials and Polymeric Biomaterials, 2021, 70, 1027-1035.	1.8	5
42	Bone-Mimicking Injectable Gelatine/Hydroxyapatite Hydrogels. Chemical and Biochemical Engineering Quarterly, 2019, 33, 325-335.	0.5	5
43	PCL/Si-Doped Multi-Phase Calcium Phosphate Scaffolds Derived from Cuttlefish Bone. Materials, 2022, 15, 3348.	1.3	5
44	PCL-Coated Multi-Substituted Calcium Phosphate Bone Scaffolds with Enhanced Properties. Materials, 2021, 14, 4403.	1.3	4
45	Estimation of the three dimensional solubility parameter of copolymers of halogenated styrene. Journal of Molecular Liquids, 1990, 44, 237-246.	2.3	3
46	Viscometric behaviour of dilute solutions of copolymers of ortho- and para-halogenated styrene. European Polymer Journal, 1991, 27, 713-716.	2.6	1
47	Preparation of 3D Porous Scaffolds for Bone Tissue Engineering. Kemija U Industriji, 2019, 68, 457-468.	0.2	0