

Andrea Ruffini

List of Publications by Year in descending order

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papers

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827
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#	ARTICLE	IF	CITATIONS
1	Graphene Oxide Nanoplatfoms to Enhance Cisplatin-Based Drug Delivery in Anticancer Therapy. <i>Nanomaterials</i> , 2022, 12, 2372.	4.1	11
2	Unconventional, Nature-Inspired Approaches to Develop Bioceramics for Regenerative Medicine. , 2021, , 758-771.		0
3	In Vitro Osteoinductivity Assay of Hydroxylapatite Scaffolds, Obtained with Biomorphic Transformation Processes, Assessed Using Human Adipose Stem Cell Cultures. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7092.	4.1	7
4	Nature-Inspired Unconventional Approaches to Develop 3D Bioceramic Scaffolds with Enhanced Regenerative Ability. <i>Biomedicines</i> , 2021, 9, 916.	3.2	14
5	Bone Regeneration in Load-Bearing Segmental Defects, Guided by Biomorphic, Hierarchically Structured Apatitic Scaffold. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 734486.	4.1	19
6	Biomorphic Transformations: A Leap Forward in Getting Nanostructured 3-D Bioceramics. <i>Frontiers in Chemistry</i> , 2021, 9, 728907.	3.6	1
7	Ceramics with the signature of wood: a mechanical insight. <i>Materials Today Bio</i> , 2020, 5, 100032.	5.5	16
8	Hierarchical porosity inherited by natural sources affects the mechanical and biological behaviour of bone scaffolds. <i>Journal of the European Ceramic Society</i> , 2020, 40, 1717-1727.	5.7	15
9	Heterogeneous chemistry in the 3-D state: an original approach to generate bioactive, mechanically-competent bone scaffolds. <i>Biomaterials Science</i> , 2019, 7, 307-321.	5.4	29
10	Nature-Inspired Processes and Structures: New Paradigms to Develop Highly Bioactive Devices for Hard Tissue Regeneration. , 2019, , .		4
11	Biom mineralization of a titanium-modified hydroxyapatite semiconductor on conductive wool fibers. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7608-7621.	5.8	21
12	Tissue engineering and biomimetics with bioceramics. , 2017, , 407-432.		2
13	Nature-Inspired Nanotechnology and Smart Magnetic Activation: Two Groundbreaking Approaches Toward a New Generation of Biomaterials for Hard Tissue Regeneration. , 2016, , .		3
14	Hydroxyapatite: From Nanocrystals to Hybrid Nanocomposites for Regenerative Medicine. , 2016, , 119-144.		4
15	Study of the chemical activation of hydroxyapatite rich ashes as raw materials for geopolymers. <i>Ceramics International</i> , 2015, 41, 9734-9744.	4.8	6
16	Hydroxyapatite: From Nanocrystals to Hybrid Nanocomposites for Regenerative Medicine. , 2015, , 1-26.		1
17	Biomimetic magnesium carbonate-apatite nanocrystals endowed with strontium ions as anti-osteoporotic trigger. <i>Materials Science and Engineering C</i> , 2014, 35, 212-219.	7.3	64
18	Porous NiTi shape memory alloys produced by SHS: microstructure and biocompatibility in comparison with Ti ₂ Ni and TiNi ₃ . <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 2277-2285.	3.6	41

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19	Study of the hydrothermal transformation of wood-derived calcium carbonate into 3D hierarchically organized hydroxyapatite. <i>Chemical Engineering Journal</i> , 2013, 217, 150-158.	12.7	27
20	The influence of process parameters on in situ inorganic foaming of alkali-bonded SiC based foams. <i>Ceramics International</i> , 2012, 38, 3351-3359.	4.8	29
21	Alkali-bonded SiC based foams. <i>Journal of the European Ceramic Society</i> , 2012, 32, 1907-1913.	5.7	39
22	Biomimesis and biomorphic transformations: New concepts applied to bone regeneration. <i>Journal of Biotechnology</i> , 2011, 156, 347-355.	3.8	48
23	SiC-based refractory paints prepared with alkali aluminosilicate binders. <i>Journal of the European Ceramic Society</i> , 2011, 31, 2155-2165.	5.7	38
24	From wood to bone: multi-step process to convert wood hierarchical structures into biomimetic hydroxyapatite scaffolds for bone tissue engineering. <i>Journal of Materials Chemistry</i> , 2009, 19, 4973.	6.7	140
25	Towards Hierarchically Organized Scaffolds for Bone Substitutes from Wood Structures. <i>Key Engineering Materials</i> , 2008, 361-363, 959-962.	0.4	2
26	PZT prepared by spray drying: From powder synthesis to electromechanical properties. <i>Journal of the European Ceramic Society</i> , 2005, 25, 3323-3334.	5.7	19
27	Ancient glass deterioration in mosaics of Pompeii. <i>Surface Engineering</i> , 2005, 21, 402-405.	2.2	10
28	Corrosion behavior of Si ₃ N ₄ /TiN composite in sulphuric acid. <i>Corrosion Science</i> , 2005, 47, 1666-1677.	6.6	16
29	Corrosion of Electroconductive AlN-SiC-MoSi ₂ Composite in NaOH Solution. <i>Key Engineering Materials</i> , 2004, 264-268, 945-948.	0.4	0
30	Corrosion of Si ₃ N ₄ /MoSi ₂ ceramic composite in acid- and basic-aqueous environments: surface modification and properties degradation. <i>Applied Surface Science</i> , 2004, 225, 100-115.	6.1	6
31	Compositional and Technological Characteristics of the Inlay Wall Facing Ceramics of the Jam' Mosque in Esfahan (Iran). <i>Key Engineering Materials</i> , 2004, 264-268, 2403-2406.	0.4	2
32	Corrosion of hot pressed Si ₃ N ₄ /TiN composite in sulphuric acid aqueous solution. <i>Corrosion Science</i> , 2003, 45, 2525-2539.	6.6	8
33	Corrosion of Electroconductive AlN-SiC-MoSi ₂ Ceramic Composite in Sodium Hydroxide Aqueous Solution. <i>Corrosion</i> , 2003, 59, 765-773.	1.1	4
34	Orimulsion fly ash in clay bricks—part 3. <i>Journal of the European Ceramic Society</i> , 2002, 22, 1749-1758.	5.7	28
35	Recycling of Steel Slag in Clay Brick Production. <i>Key Engineering Materials</i> , 2001, 206-213, 835-838.	0.4	3
36	Synthesis of Nanostructured Hydroxyapatite via Controlled Hydrothermal Route. , 0, , .		6