Arn Mignon

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4473677/publications.pdf

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28	1,479	393982 19	500791 28
papers	citations	h-index	g-index

28	28	28	1449
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polymer-Based Constructs for Flexor Tendon Repair: A Review. Polymers, 2022, 14, 867.	2.0	11
2	Deformations in Cement Pastes during Capillary Imbibition and Their Relation to Water and Isopropanol as Imbibing Liquids. Materials, 2022, 15, 36.	1.3	2
3	Activated Carbon Containing PEGâ€Based Hydrogels as Novel Candidate Dressings for the Treatment of Malodorous Wounds. Macromolecular Materials and Engineering, 2021, 306, .	1.7	14
4	Design and development of a reinforced tubular electrospun construct for the repair of ruptures of deep flexor tendons. Materials Science and Engineering C, 2021, 119, 111504.	3.8	15
5	Synthetic, Natural, and Semisynthetic Polymer Carriers for Controlled Nitric Oxide Release in Dermal Applications: A Review. Polymers, 2021, 13, 760.	2.0	28
6	New Hyaluronic Acid/Polyethylene Oxide-Based Electrospun Nanofibers: Design, Characterization and In Vitro Biological Evaluation. Polymers, 2021, 13, 1291.	2.0	8
7	Viability determination of Bacillus sphaericus after encapsulation in hydrogel for self-healing concrete via microcalorimetry and in situ oxygen concentration measurements. Cement and Concrete Composites, 2021, 119, 104006.	4.6	32
8	Photoâ€Crosslinked Gelatinâ€Based Hydrogel Films to Support Wound Healing. Macromolecular Bioscience, 2021, 21, e2100246.	2.1	10
9	In-situ crosslinking of superabsorbent polymers as external curing layer compared to internal curing to mitigate plastic shrinkage. Construction and Building Materials, 2020, 262, 120819.	3.2	17
10	Development of Gelatinâ€Alginate Hydrogels for Burn Wound Treatment. Macromolecular Bioscience, 2019, 19, e1900123.	2.1	62
11	Superabsorbent polymers: A review on the characteristics and applications of synthetic, polysaccharide-based, semi-synthetic and â€˜smartâ€™ derivatives. European Polymer Journal, 2019, 117, 165-178.	2.6	168
12	Cradle-to-gate life cycle assessment of self-healing engineered cementitious composite with in-house developed (semi-)synthetic superabsorbent polymers. Cement and Concrete Composites, 2018, 94, 166-180.	4.6	38
13	A chitosan based pH-responsive hydrogel for encapsulation of bacteria for self-sealing concrete. Cement and Concrete Composites, 2018, 93, 309-322.	4.6	82
14	Pore structure description of mortars containing ground granulated blast-furnace slag by mercury intrusion porosimetry and dynamic vapour sorption. Construction and Building Materials, 2017, 145, 157-165.	3.2	62
15	Characterization of methacrylated alginate and acrylic monomers as versatile SAPs. Carbohydrate Polymers, 2017, 168, 44-51.	5.1	11
16	Characterization of methacrylated polysaccharides in combination with amine-based monomers for application in mortar. Carbohydrate Polymers, 2017, 168, 173-181.	5.1	16
17	Development of amine-based pH-responsive superabsorbent polymers for mortar applications. Construction and Building Materials, 2017, 132, 556-564.	3.2	23
18	Mechanical and self-healing properties of cementitious materials with pH-responsive semi-synthetic superabsorbent polymers. Materials and Structures/Materiaux Et Constructions, 2017, 50, 1.	1.3	31

#	Article	IF	Citations
19	Combinatory approach of methacrylated alginate and acid monomers for concrete applications. Carbohydrate Polymers, 2017, 155, 448-455.	5.1	27
20	Alginate- and gelatin-based bioactive photocross-linkable hybrid materials for bone tissue engineering. Carbohydrate Polymers, 2017, 157, 1714-1722.	5.1	62
21	Crack Mitigation in Concrete: Superabsorbent Polymers as Key to Success?. Materials, 2017, 10, 237.	1.3	113
22	Role of the surface chemistry of the adsorbent on the initialization step of the water sorption process. Carbon, 2016, 106, 284-288.	5.4	28
23	Alginate biopolymers: Counteracting the impact of superabsorbent polymers on mortar strength. Construction and Building Materials, 2016, 110, 169-174.	3.2	86
24	Application of modified-alginate encapsulated carbonate producing bacteria in concrete: a promising strategy for crack self-healing. Frontiers in Microbiology, 2015, 6, 1088.	1.5	144
25	The effects of superabsorbent polymers on the microstructure of cementitious materials studied by means of sorption experiments. Cement and Concrete Research, 2015, 77, 26-35.	4.6	107
26	Cross-linkable alginate-graft-gelatin copolymers for tissue engineering applications. European Polymer Journal, 2015, 72, 494-506.	2.6	54
27	pH-sensitive superabsorbent polymers: a potential candidate material for self-healing concrete. Journal of Materials Science, 2015, 50, 970-979.	1.7	117
28	The influence of different drying techniques on the water sorption properties of cement-based materials. Cement and Concrete Research, 2014, 64, 54-62.	4.6	111