

Hossein Omidian

List of Publications by Year in descending order

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85
papers

3,078
citations

318942

23
h-index

182931

54
g-index

89
all docs

89
docs citations

89
times ranked

3398
citing authors

#	ARTICLE	IF	CITATIONS
1	Impacts of oxidants and antioxidants on the emergence and progression of Alzheimer's disease. <i>Neurochemistry International</i> , 2022, 153, 105268.	1.9	21
2	Blockchain in pharmaceutical life cycle management. <i>Drug Discovery Today</i> , 2022, 27, 935-938.	3.2	7
3	Unraveling pathological mechanisms in neurological disorders: the impact of cell-based and organoid models. <i>Neural Regeneration Research</i> , 2022, 17, 2131.	1.6	6
4	Recent advancements in cell-based models for auditory disorders. <i>BiolImpacts</i> , 2022, 12, 155-169.	0.7	3
5	Opioid overdose, interventions, and challenges. <i>BiolImpacts</i> , 2022, , .	0.7	0
6	Contemporary applications of thermogelling PEO-PPO-PEO triblock copolymers. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 70, 103182.	1.4	12
7	Opioid epidemic and the urge to discover new treatment options. <i>Drug Discovery Today</i> , 2022, 27, 2406-2410.	3.2	2
8	Toxicity of the polymeric excipients in geriatric polypharmacy. <i>International Journal of Pharmaceutics</i> , 2022, 622, 121901.	2.6	2
9	Magnetic nanoparticle-polymer nanohybrids. , 2021, , 183-208.		0
10	Transformative dynamism in pharmaceutical and biomedical research: Complexity of integration of innovative R & D hubs. <i>BiolImpacts</i> , 2021, 11, 227-233.	0.7	0
11	Recent advances in polymeric scaffolds containing carbon nanotube and graphene oxide for cartilage and bone regeneration. <i>Materials Today Communications</i> , 2021, 26, 102097.	0.9	27
12	Neonatal and pediatric oral drug delivery: Hopes and hurdles. <i>International Journal of Pharmaceutics</i> , 2021, 597, 120296.	2.6	18
13	Drug delivery and targeting to brain tumors: considerations for crossing the blood-brain barrier. <i>Expert Review of Clinical Pharmacology</i> , 2021, 14, 357-381.	1.3	15
14	Mucoadhesion and Mechanical Assessment of Oral Films. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 159, 105727.	1.9	34
15	Abuse-deterrent properties and cytotoxicity of poly(ethylene oxide) after thermal tampering. <i>International Journal of Pharmaceutics</i> , 2021, 600, 120481.	2.6	3
16	Stimuli-responsive graphene oxide and methotrexate-loaded magnetic nanoparticles for breast cancer-targeted therapy. <i>Nanomedicine</i> , 2021, 16, 2155-2174.	1.7	14
17	Recent progress in the development of aptasensors for cancer diagnosis: Focusing on aptamers against cancer biomarkers. <i>Microchemical Journal</i> , 2021, 170, 106640.	2.3	13
18	In vitro evaluation of adhesion and mechanical properties of oral thin films. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 166, 105965.	1.9	4

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19	Medical applications of multifunctional magnetic nanoparticles. , 2021, , 447-462.		0
20	Enhancement of The Stability of Human Growth Hormone by Using Tris(hydroxymethyl)aminomethane: Molecular Docking and Experimental Analysis. Cell Journal, 2021, 22, 406-414.	0.2	1
21	Extended-Release Tablets of Nitrofurantoin: An Old Antibiotic Carried in a New Formulation. Pharmaceutical Chemistry Journal, 2021, 55, 808-813.	0.3	0
22	Surface cross-linked SAPs with improved swollen gel strength using diol compounds. Journal of Macromolecular Science - Pure and Applied Chemistry, 2020, 57, 62-71.	1.2	7
23	Release of human growth hormone from an in-situ implant modulated by poly(ethylene glycol) dimethyl ether and tris(hydroxymethyl) aminomethane. Iranian Polymer Journal (English Edition), 2020, 29, 1019-1029.	1.3	0
24	A cellulose-based therapeutic polymer to deter intravenous drug abuse. International Journal of Pharmaceutics, 2020, 577, 119042.	2.6	3
25	ChABC-loaded PLGA nanoparticles: A comprehensive study on biocompatibility, functional recovery, and axonal regeneration in animal model of spinal cord injury. International Journal of Pharmaceutics, 2020, 577, 119037.	2.6	25
26	Polymers and hydrogels to deter drug abuse. , 2020, , 185-202.		1
27	Development and in vitro evaluation of an abuse-deterrent formulation based on a crosslinked starch derivative. International Journal of Pharmaceutics, 2019, 569, 118602.	2.6	11
28	Polyaniline-Modified TiO ₂ , a Highly Effective Photo-catalyst for Solid-Phase Photocatalytic Degradation of PVC. Journal of Polymers and the Environment, 2019, 27, 784-793.	2.4	23
29	Superabsorbent polymers achieved by surface cross linking of poly(sodium acrylate) using microwave method. Iranian Polymer Journal (English Edition), 2019, 28, 539-548.	1.3	21
30	Structural engineering to control density, conformation, and bioactivity of the poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 209-223.	0.8	0
31	Multifunctional Cosmetic Containing Blueberry and Tinosorb M [®] - Loaded Microparticles Improves Sunscreen Performance. Advanced Pharmaceutical Bulletin, 2019, 9, 241-248.	0.6	4
32	Hybrid hydrogel based on pre-gelatinized starch modified with glycidyl-crosslinked microgel. Iranian Polymer Journal (English Edition), 2018, 27, 183-192.	1.3	15
33	Safety and performance of current abuse-deterrent formulations. Expert Opinion on Drug Metabolism and Toxicology, 2018, 14, 1255-1271.	1.5	7
34	Determining Abuse Deterrence Performance of Poly (ethylene oxide) Using a Factorial Design. Advanced Pharmaceutical Bulletin, 2018, 8, 495-505.	0.6	10
35	Fine tuning of SAP properties via epoxy-silane surface modification. Polymers for Advanced Technologies, 2017, 28, 1132-1147.	1.6	27
36	Antibacterial superabsorbing hydrogels with high saline-swelling properties without gel blockage: Toward ideal superabsorbents for hygienic applications. Journal of Bioactive and Compatible Polymers, 2017, 32, 128-145.	0.8	26

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37	Deterred drug abuse using superabsorbent polymers. <i>Expert Opinion on Drug Delivery</i> , 2016, 13, 1523-1531.	2.4	9
38	Crush resistance and insufflation potential of poly(ethylene oxide)-based abuse deterrent formulations. <i>Expert Opinion on Drug Delivery</i> , 2016, 13, 1375-1382.	2.4	8
39	Comparative assessment of growth supporting potential of different alginic acid salts. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016, 65, 47-53.	1.8	2
40	Abuse-deterrent formulations: part 1 – development of a formulation-based classification system. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2015, 11, 193-204.	1.5	23
41	Abuse-deterrent formulations: Part 2: commercial products and proprietary technologies. <i>Expert Opinion on Pharmacotherapy</i> , 2015, 16, 305-323.	0.9	35
42	A new approach to determining the performance of superdisintegrants. <i>Journal of Bioactive and Compatible Polymers</i> , 2015, 30, 3-16.	0.8	2
43	Improved immobilization of gelatin on a modified polyurethane urea. <i>Journal of Bioactive and Compatible Polymers</i> , 2015, 30, 57-73.	0.8	8
44	Abuse-Deterrent Formulations (ADFs): Crush Resistance. <i>Journal of Pharma & Pharmaceutical Sciences</i> , 2015, 1, 2-4.	0.3	1
45	Swelling, strength, and biocompatibility of acrylate-based superporous hydrogel hybrids. <i>Journal of Bioactive and Compatible Polymers</i> , 2014, 29, 66-80.	0.8	8
46	Effect of interface on mechanical properties and biodegradation of PCL HAp supramolecular nano-composites. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 23-35.	1.7	17
47	Use of Serotonin Norepinephrine Reuptake Inhibitors in the Treatment of Attention-Deficit Hyperactivity Disorder in Pediatrics. <i>Annals of Pharmacotherapy</i> , 2014, 48, 86-92.	0.9	20
48	Prevalence and trends of cellulose in pharmaceutical dosage forms. <i>Drug Development and Industrial Pharmacy</i> , 2013, 39, 382-392.	0.9	10
49	Current approaches in tamper-resistant and abuse-deterrent formulations. <i>Drug Development and Industrial Pharmacy</i> , 2013, 39, 611-624.	0.9	45
50	Fighting a New Drug Epidemic. <i>Journal of Developing Drugs</i> , 2013, 02, .	0.9	2
51	How Abuse-Resistant are the Abuse-Deterrent Medications. <i>SOJ Pharmacy & Pharmaceutical Sciences</i> , 2013, 1, .	0.1	0
52	Viability of human umbilical cord-derived mesenchymal stem cells in G-rich and M-rich alginates. <i>Journal of Bioactive and Compatible Polymers</i> , 2012, 27, 174-182.	0.8	6
53	Drug delivery applications for superporous hydrogels. <i>Expert Opinion on Drug Delivery</i> , 2012, 9, 71-89.	2.4	66
54	Supramolecular polycaprolactone nanocomposite based on functionalized hydroxyapatite. <i>Journal of Bioactive and Compatible Polymers</i> , 2012, 27, 467-480.	0.8	16

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55	Hydrogels. , 2012, , 75-105.		21
56	Oral Controlled Delivery Mechanisms and Technologies. , 2011, , 109-129.		4
57	Effect of long-chain monoacrylate on the residual monomer content, swelling and thermomechanical properties of SAP hydrogels. Journal of Polymer Research, 2011, 18, 1863-1870.	1.2	5
58	Superabsorbent hydrogel composites and nanocomposites: A review. Polymer Composites, 2011, 32, 277-289.	2.3	368
59	Recent developments in superporous hydrogels. Journal of Pharmacy and Pharmacology, 2010, 59, 317-327.	1.2	82
60	Engineered High Swelling Hydrogels. , 2010, , 351-374.		4
61	Introduction to Hydrogels. , 2010, , 1-16.		30
62	Experimental Design in the Preparation of Modified HEMA-Based Superporous Hydrogels in an Aqueous Medium. International Journal of Polymeric Materials and Polymeric Biomaterials, 2010, 59, 693-709.	1.8	9
63	Swelling and Mechanical Properties of Modified HEMA-based Superporous Hydrogels. Journal of Bioactive and Compatible Polymers, 2010, 25, 483-497.	0.8	43
64	Superabsorbent Hydrogels. , 2010, , 375-391.		6
65	Fast-Responsive Macroporous Hydrogels. , 2009, , 179-208.		2
66	Swelling agents and devices in oral drug delivery. Journal of Drug Delivery Science and Technology, 2008, 18, 83-93.	1.4	124
67	A Rapid Technique to Evaluate the Oxidative Stability of a Model Drug. Drug Development and Industrial Pharmacy, 2007, 33, 683-689.	0.9	6
68	Elastic, Superporous Hydrogel Hybrids of Polyacrylamide and Sodium Alginate. Macromolecular Bioscience, 2006, 6, 703-710.	2.1	95
69	Advances in superporous hydrogels. Journal of Controlled Release, 2005, 102, 3-12.	4.8	369
70	Modified chitosan. I. Optimized cerium ammonium nitrate-induced synthesis of chitosan-graft-polyacrylonitrile. Journal of Applied Polymer Science, 2003, 88, 2048-2054.	1.3	94
71	Polymerization of sodium acrylate in inverse-suspension stabilized by sorbitan fatty esters. European Polymer Journal, 2003, 39, 1013-1018.	2.6	31
72	Synthesis of fast-swelling superabsorbent hydrogels: effect of crosslinker type and concentration on porosity and absorption rate. European Polymer Journal, 2003, 39, 1341-1348.	2.6	357

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73	Novel approach to highly porous superabsorbent hydrogels: synergistic effect of porogens on porosity and swelling rate. <i>Polymer International</i> , 2003, 52, 1158-1164.	1.6	100
74	Aqueous solution polymerization of neutralized acrylic acid using $\text{Na}_2\text{S}_2\text{O}_5 / (\text{NH}_4)_2\text{S}_2\text{O}_8$ redox pair system under atmospheric conditions. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2003, 52, 307-321.	1.8	13
75	Mechanical and thermal behavior of modified epoxy novolak film adhesives. <i>Journal of Adhesion Science and Technology</i> , 2003, 17, 1847-1861.	1.4	9
76	Liquid hydrocarbon-absorbents, 1: Preparation and evaluation of styrenic absorbents for liquid aromatic hydrocarbons. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2003, 52, 153-161.	1.8	2
77	Experimental Design for the Synthesis of Polyacrylamide Superporous Hydrogels. <i>Journal of Bioactive and Compatible Polymers</i> , 2002, 17, 433-450.	0.8	24
78	DSC studies on synthesis of superabsorbent hydrogels. <i>Polymer</i> , 2002, 43, 269-277.	1.8	32
79	Modified acrylic-based superabsorbent polymers (dependence on particle size and salinity). <i>Polymer</i> , 1999, 40, 1753-1761.	1.8	159
80	Modified acrylic-based superabsorbent polymers. Effect of temperature and initiator concentration. <i>Polymer</i> , 1998, 39, 3459-3466.	1.8	65
81	A model for the swelling of superabsorbent polymers. <i>Polymer</i> , 1998, 39, 6697-6704.	1.8	252
82	Modifying acrylic-based superabsorbents. I. Modification of crosslinker and comonomer nature. <i>Journal of Applied Polymer Science</i> , 1994, 54, 241-249.	1.3	31
83	Modifying acrylic-based superabsorbents. II. Modification of process nature. <i>Journal of Applied Polymer Science</i> , 1994, 54, 251-256.	1.3	18
84	Synthesis and characterization of acrylic-based superabsorbents. <i>Journal of Applied Polymer Science</i> , 1993, 50, 1851-1855.	1.3	71
85	Isothermal degradation kinetics of the probiotic <i>Lactobacillus fermentum</i> by thermogravimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 0, , 1.	2.0	1