

Ather Farooq Khan

List of Publications by Year in descending order

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48
papers

1,598
citations

331670

21
h-index

289244

40
g-index

51
all docs

51
docs citations

51
times ranked

2514
citing authors

#	ARTICLE	IF	CITATIONS
1	Cross-Coupling Reactions on Azoles with Two and More Heteroatoms. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 3283-3307.	2.4	263
2	Halogen dance reactions—A review. <i>Chemical Society Reviews</i> , 2007, 36, 1046-1057.	38.1	174
3	Bioactive behavior of silicon substituted calcium phosphate based bioceramics for bone regeneration. <i>Materials Science and Engineering C</i> , 2014, 35, 245-252.	7.3	120
4	Raman Spectroscopy of Natural Bone and Synthetic Apatites. <i>Applied Spectroscopy Reviews</i> , 2013, 48, 329-355.	6.7	99
5	Temperature-Responsive Hierarchical Polymer Brushes Switching from Bactericidal to Cell Repellency. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 40930-40939.	8.0	86
6	Arsenic bioremediation by low cost materials derived from Blue Pine (<i>Pinus wallichiana</i>) and Walnut (<i>Juglans regia</i>). <i>Ecological Engineering</i> , 2013, 51, 88-94.	3.6	63
7	Low temperature conversion of plastic waste into light hydrocarbons. <i>Journal of Hazardous Materials</i> , 2010, 179, 15-20.	12.4	55
8	Chitosan/hydroxyapatite (HA)/hydroxypropylmethyl cellulose (HPMC) spongy scaffolds-synthesis and evaluation as potential alveolar bone substitutes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 160, 553-563.	5.0	50
9	Novel synthesis of dihydropyrimidines for α -glucosidase inhibition to treat type 2 diabetes: In vitro biological evaluation and in silico docking. <i>Bioorganic Chemistry</i> , 2014, 54, 96-104.	4.1	49
10	Production of chitosan PVA PCL hydrogels to bind heparin and induce angiogenesis. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016, 65, 466-476.	3.4	48
11	Hydroxypropylmethyl cellulose (HPMC) crosslinked chitosan (CH) based scaffolds containing bioactive glass (BG) and zinc oxide (ZnO) for alveolar bone repair. <i>Carbohydrate Polymers</i> , 2018, 193, 9-18.	10.2	48
12	Thyroxin releasing chitosan/collagen based smart hydrogels to stimulate neovascularization. <i>Materials and Design</i> , 2017, 133, 416-425.	7.0	39
13	Bi-layered α -tocopherol acetate loaded membranes for potential wound healing and skin regeneration. <i>Materials Science and Engineering C</i> , 2019, 101, 438-447.	7.3	38
14	Bacterial adaptability of enzyme and pH dual-responsive surface for infection resistance. <i>Journal of Materials Chemistry B</i> , 2018, 6, 7710-7718.	5.8	33
15	Effect of calcium hydroxide on mechanical strength and biological properties of bioactive glass. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 61, 617-626.	3.1	32
16	Development of K-doped ZnO nanoparticles encapsulated crosslinked chitosan based new membranes to stimulate angiogenesis in tissue engineered skin grafts. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 721-728.	7.5	31
17	Fabrication of antibacterial electrospun nanofibers with vancomycin-carbon nanotube via ultrasonication assistance. <i>Materials and Design</i> , 2017, 120, 128-134.	7.0	30
18	A study of the effect of precursors on physical and biological properties of mesoporous bioactive glass. <i>Journal of Materials Science</i> , 2015, 50, 1794-1804.	3.7	29

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19	Thermal-pressure-mediated hydrolysis of Reactive Blue 19 dye. <i>Journal of Hazardous Materials</i> , 2009, 172, 1007-1012.	12.4	28
20	Thyroxine-loaded chitosan/carboxymethyl cellulose/hydroxyapatite hydrogels enhance angiogenesis in in-ovo experiments. <i>International Journal of Biological Macromolecules</i> , 2020, 145, 1162-1170.	7.5	27
21	Biological behavior of bioactive glasses and their composites. <i>RSC Advances</i> , 2016, 6, 70197-70214.	3.6	26
22	Synthesis, characterization and density functional theory study of some new 2-anilinothiazoles. <i>Journal of Molecular Structure</i> , 2014, 1072, 221-227.	3.6	23
23	Polyarylated Thiazoles via a Combined Halogen Dance " Cross-Coupling Strategy. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 3228-3236.	2.4	20
24	HPMC crosslinked chitosan/hydroxyapatite scaffolds containing Lemongrass oil for potential bone tissue engineering applications. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103850.	4.9	19
25	Enzyme-mimicking polymer brush-functionalized surface for combating biomaterial-associated infections. <i>Applied Surface Science</i> , 2017, 423, 869-880.	6.1	18
26	Biocompatibility Through Cell Attachment and Cell Proliferation Studies of Nylon 6/Chitosan/Ha Electrospun Mats. <i>Journal of Polymers and the Environment</i> , 2018, 26, 2030-2038.	5.0	15
27	Electronic structure and absorption spectra of 6-picoline Schiff base: A DFT and XRD based approach. <i>Journal of Molecular Structure</i> , 2013, 1050, 10-14.	3.6	14
28	Silk fibroin/collagen 3D scaffolds loaded with TiO ₂ nanoparticles for skin tissue regeneration. <i>Polymer Bulletin</i> , 2021, 78, 7199-7218.	3.3	14
29	Conductive and electroactive composite paper reinforced by coating of polyaniline on lignocelluloses fibers. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	13
30	Smart injectable self-setting bioceramics for dental applications. <i>Materials Science and Engineering C</i> , 2020, 113, 110956.	7.3	13
31	(Hydroxypropyl)methylcellulose Mediated Synthesis of Highly Porous Composite Scaffolds for Trabecular Bone Repair Applications. <i>Science of Advanced Materials</i> , 2015, 7, 1177-1186.	0.7	13
32	Halogen Dance and Sequential Cross-Coupling on 2-Anilinothiazoles. <i>Letters in Organic Chemistry</i> , 2009, 6, 171-174.	0.5	10
33	Towards thermally stable cyclophanediene-dihdropyrene photoswitches. <i>Journal of Molecular Modeling</i> , 2015, 21, 148.	1.8	9
34	Organocatalyzed Novel Synthetic Methodology for Highly Functionalized Piperidines as Potent "Glucosidase Inhibitors. <i>Archiv Der Pharmazie</i> , 2016, 349, 724-732.	4.1	9
35	Molecular docking and glucosidase inhibition studies of novel N-arylthiazole-2-amines and Ethyl 2-[aryl(thiazol-2-yl)amino]acetates. <i>Medicinal Chemistry Research</i> , 2017, 26, 3247-3261.	2.4	7
36	Sonication-induced self-assembly of polymeric porphyrin "fullerene: Formation of nanorings. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	5

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37	Nano MnO ₂ immobilized covalently cross-linked chitosan and PVA based highly flexible membranes. <i>Materials Research Express</i> , 2019, 6, 085055.	1.6	4
38	Evaluation of molecular mechanisms of heparin-induced angiogenesis, in human umbilical vein endothelial cells. <i>Journal of King Saud University - Science</i> , 2021, 33, 101534.	3.5	4
39	N-(2,4,6-Trimethylphenyl)-1,3-thiazol-2-amine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o2441-o2441.	0.2	3
40	Effects of Chromium-Loaded Chitosan Nanoparticles on the Intestinal Electrophysiological Indices and Glucose Transporters in Broilers. <i>Animals</i> , 2019, 9, 819.	2.3	3
41	Fabrication of dual drug loaded bilayered chitosan based composite scaffolds as osteochondral substitutes and evaluation of in vitro cell response using the MC3T3 pre-osteoblast cell line. <i>Cellulose</i> , 2020, 27, 2253-2266.	4.9	3
42	Osteogenic and antibacterial scaffolds of silk fibroin/Ce-doped ZnO for bone tissue engineering. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2023, 72, 1205-1216.	3.4	3
43	Two New Ballonigrin-type Diterpenoids from the Roots of <i>Ballota limbata</i> . <i>Natural Product Communications</i> , 2012, 7, 1934578X1200700.	0.5	2
44	Cholinesterase Inhibitory Activities of N-Phenylthiazol-2-Amine Derivatives and their Molecular Docking Studies. <i>Medicinal Chemistry</i> , 2015, 11, 489-496.	1.5	2
45	Two new ballonigrin-type diterpenoids from the roots of <i>Ballota limbata</i> . <i>Natural Product Communications</i> , 2012, 7, 149-50.	0.5	2
46	Colloids in the Environmental Protection—Current and Future Trends. , 2014, , 635-677.		1
47	Silicon-substituted hydroxyapatite. , 2020, , 283-305.		1
48	HPMC, ZnO, And BG In Alveolar Ridge Augmentation. , 2018, , .		0