Riaz A Khan

List of Publications by Year
in descending order

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81	1,738	304701 22	315719 38
papers	citations	h-index	g-index

82	82	82	2286
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Preparation of Iron Oxide and Titania-Based Composite, Core-Shell Populated, Nanoparticulates Material by Two-Step LASER Ablation in Aqueous Media as Antimicrobial and Anticancer Agents. Bioinorganic Chemistry and Applications, 2022, 2022, 1-19.	4.1	13
2	Anthocyanins: Traditional Uses, Structural and Functional Variations, Approaches to Increase Yields and Productsâ€™ Quality, Hepatoprotection, Liver Longevity, and Commercial Products. International Journal of Molecular Sciences, 2022, 23, 2149.	4.1	35
3	Copper Oxide Nanoparticle-Decorated Carbon Nanoparticle Composite Colloidal Preparation through Laser Ablation for Antimicrobial and Antiproliferative Actions against Breast Cancer Cell Line, MCF-7. BioMed Research International, 2022, 2022, 1-13.	1.9	18
4	Design, preparation, and functionalization of nanobiomaterials for enhanced efficacy in current and future biomedical applications. Nanotechnology Reviews, 2022, 11, 1802-1826.	5.8	17
5	Phytochemical profiling, molecular docking, and anti-hepatocellular carcinoid bioactivity of extracts. Arabian Journal of Chemistry, 2022, 15, 103950.	4.9	15
6	In Vitro Anti-Proliferative, and Kinase Inhibitory Activity of Phenanthroindolizidine Alkaloids Isolated from Tylophora indica. Plants, 2022, 11, 1295.	3.5	3
7	Galangin/Î²-Cyclodextrin Inclusion Complex as a Drug-Delivery System for Improved Solubility and Biocompatibility in Breast Cancer Treatment. Molecules, 2022, 27, 4521.	3.8	28
8	Brain targeted Polysorbate-80 coated PLGA thymoquinone nanoparticles for the treatment of Alzheimer's disease, with biomechanistic insights. Journal of Drug Delivery Science and Technology, 2021, 61, 102214.	3.0	23
9	Gold Nanoparticles and Graphene Oxide Flakes Synergistic Partaking in Cytosolic Bactericidal Augmentation: Role of ROS and NOX2 Activity. Microorganisms, 2021, 9, 101.	3.6	22
10	Phytochemical Profiling, In Vitro and In Silico Anti-Microbial and Anti-Cancer Activity Evaluations and Staph GyraseB and h-TOP-IIÎ² Receptor-Docking Studies of Major Constituents of Zygophyllum coccineum L. Aqueous-Ethanolic Extract and Its Subsequent Fractions: An Approach to Validate Traditional Phytomedicinal Knowledge. Molecules, 2021, 26, 577.	3.8	38
11	Phytochemical Analysis, Pharmacological and Safety Evaluations of Halophytic Plant, Salsola cyclophylla. Molecules, 2021, 26, 2384.	3.8	18
12	Gold Nanoparticles and Graphene Oxide Flakes Enhance Cancer Cellsâ€™ Phagocytosis through Granzyme-Perforin-Dependent Biomechanism. Nanomaterials, 2021, 11, 1382.	4.1	20
13	Layer-by-Layer Nanoparticles of Tamoxifen and Resveratrol for Dual Drug Delivery System and Potential Triple-Negative Breast Cancer Treatment. Pharmaceutics, 2021, 13, 1098.	4.5	39
14	Isolation, characterization, anti-MRSA evaluation, and in-silico multi-target anti-microbial validations of actinomycin X2 and actinomycin D produced by novel Streptomyces smyrnaeus UKAQ_23. Scientific Reports, 2021, 11, 14539.	3.3	39
15	In Vitro and In Silico Approaches for the Antileishmanial Activity Evaluations of Actinomycins Isolated from Novel Streptomyces smyrnaeus Strain UKAQ_23. Antibiotics, 2021, 10, 887.	3.7	13
16	Chemical Profile, Antioxidant, Antimicrobial, and Anticancer Activities of the Water-Ethanol Extract of Pulicaria undulata Growing in the Oasis of Central Saudi Arabian Desert. Plants, 2021, 10, 1811.	3.5	23
17	Quercetin against MCF7 and CAL51 breast cancer cell lines: apoptosis, gene expression and cytotoxicity of nano-quercetin. Nanomedicine, 2021, 16, 1937-1961.	3.3	44
18	Roles of Suaeda vermiculata Aqueous-Ethanolic Extract, Its Subsequent Fractions, and the Isolated Compounds in Hepatoprotection against Paracetamol-Induced Toxicity as Compared to Silymarin. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-10.	4.0	11

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19	Sage, Salvia officinalis L., Constituents, Hepatoprotective Activity, and Cytotoxicity Evaluations of the Essential Oils Obtained from Fresh and Differently Timed Dried Herbs: A Comparative Analysis. Molecules, 2021, 26, 5757.	3.8	15
20	The halophytic plant, Suaeda vermiculata Forssk extracts reduce the inflamed paw edema and exert potential antimicrobial activity. Pakistan Journal of Botany, 2021, 53, .	0.5	2
21	Nano-scale delivery: A comprehensive review of nano-structured devices, preparative techniques, site-specificity designs, biomedical applications, commercial products, and references to safety, cellular uptake, and organ toxicity. Nanotechnology Reviews, 2021, 10, 1493-1559.	5.8	18
22	Comparative Phytochemical Profile and Biological Activity of Four Major Medicinal Halophytes from Qassim Flora. Plants, 2021, 10, 2208.	3.5	25
23	Octreotide-conjugated silver nanoparticles for active targeting of somatostatin receptors and their application in a nebulized rat model. Nanotechnology Reviews, 2021, 11, 266-283.	5.8	13
24	Miniaturized peptidomimetics and nano-vesiculation in endothelin types through probable nano-disk formation and structure property relationships of endothelinsâ€™ fragments. Nanotechnology Reviews, 2021, 11, 220-243.	5.8	0
25	Contemporary nano-architectured drugs and leads for Î±Î½Î²3 integrin-based chemotherapy: Rationale and retrospect. Nanotechnology Reviews, 2021, 11, 204-219.	5.8	0
26	Pharmacophore modeling, design, and synthesis of potent antihypertensives, oxazolo/thiazolo-[3,2-a]-pyrimidin-3(2H)-one, and 1,5-dihydroimidazo-[1,2-a]-pyrimidin-3(2H)-one derivatives: A pilot trial. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127604.	2.2	3
27	Suaeda vermiculata Aqueous-Ethanolic Extract-Based Mitigation of CCl4-Induced Hepatotoxicity in Rats, and HepG-2 and HepG-2/ADR Cell-Lines-Based Cytotoxicity Evaluations. Plants, 2020, 9, 1291.	3.5	23
28	Anti-Microbial, Anti-Oxidant, and Î±-Amylase Inhibitory Activity of Traditionally-Used Medicinal Herbs: A Comparative Analyses of Pharmacology, and Phytoconstituents of Regional Halophytic Plantsâ€™ Diaspora. Molecules, 2020, 25, 5457.	3.8	22
29	Pyrethroid-Induced Organ Toxicity and Anti-Oxidant-Supplemented Amelioration of Toxicity and Organ Damage: The Protective Roles of Ascorbic Acid and Î±-Tocopherol. International Journal of Environmental Research and Public Health, 2020, 17, 6177.	2.6	10
30	Silver Citrate Nanoparticles Inhibit PMA-Induced TNFÎ± Expression via Deactivation of NF-ÎºB Activity in Human Cancer Cell-Lines, MCF-7 . International Journal of Nanomedicine, 2020, Volume 15, 8479-8493.	6.7	34
31	Self-Generating nano-emulsification techniques for alternatively-routed, bioavailability enhanced delivery, especially for anti-cancers, anti-diabetics, and miscellaneous drugs of natural, and synthetic origins. Journal of Drug Delivery Science and Technology, 2020, 58, 101808.	3.0	13
32	Drying Induced Impact on Composition and Oil Quality of Rosemary Herb, Rosmarinus Officinalis Linn. Molecules, 2020, 25, 2830.	3.8	26
33	Liposome-based drug delivery of various anticancer agents of synthetic and natural product origin: aÂpatent overview. Pharmaceutical Patent Analyst, 2020, 9, 87-116.	1.1	9
34	Non-invasive drug delivery technology: development and current status of transdermal drug delivery devices, techniques and biomedical applications. Biomedizinische Technik, 2020, 65, 243-272.	0.8	90
35	Anti-angiogenic Mechanism, Biochemical Factorsâ€™ Roles, Therapeutic Agents, and Under Clinical Trial Drugs for Breast and Prostate Cancers. Anti-angiogenesis Drug Discovery and Development, 2020, , 30-85.	0.1	0
36	Potential in-vitro anti-breast cancer activity of green-synthesized silver nanoparticles preparation against human MCF-7 cell-lines. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2019, 10, 045012.	1.5	12

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37	Natural products chemistry: The emerging trends and prospective goals. Saudi Pharmaceutical Journal, 2018, 26, 739-753.	2.7	72
38	Biomechanistic insights into the roles of oxidative stress in generating complex neurological disorders. Biological Chemistry, 2018, 399, 305-319.	2.5	23
39	Enhancement of the Oral Bioavailability of Felodipine Employing 8-Arm-Poly(Ethylene Glycol): In Vivo, In Vitro and In Silico Evaluation. AAPS PharmSciTech, 2017, 18, 617-628.	3.3	4
40	Stereoâ€Electronic, Molecular Connectivity, and Geometric Configuration Approaches towards Designing Antibacterial Agents from 1, 3, 4â€Thiadiazole as the Starting Molecular Template. ChemistrySelect, 2017, 2, 1323-1335.	1.5	2
41	The Chemo-Biological Outreach of Nano-Biomaterials: Implications for Tissue Engineering and Regenerative Medicine. Current Pharmaceutical Design, 2017, 23, 3538-3549.	1.9	8
42	Synthesis of Metâ€enkephalin by solutionâ€phase peptide synthesis methodology utilizing paraâ€toluene sulfonic acid as Nâ€terminal masking of <scp>l</scp>â€methionine amino acid. Chemical Biology and Drug Design, 2016, 88, 884-888.	3.2	2
43	Polysorbate-80-coated, polymeric curcumin nanoparticles for in vivo anti-depressant activity across BBB and envisaged biomolecular mechanism of action through a proposed pharmacophore model. Journal of Microencapsulation, 2016, 33, 646-655.	2.8	18
44	Liposomal systems as viable drug delivery technology for skin cancer sites with an outlook on lipid-based delivery vehicles and diagnostic imaging inputs for skin conditions'. Progress in Lipid Research, 2016, 64, 192-230.	11.6	41
45	A novel pHâ€responsive interpolyelectrolyte hydrogel complex for the oral delivery of levodopa. Part II: Characterization and formulation of an IPECâ€based tablet matrix. Journal of Biomedical Materials Research - Part A, 2015, 103, 1085-1094.	4.0	2
46	A novel pHâ€responsive interpolyelectrolyte hydrogel complex for the oral delivery of levodopa. Part I. IPEC modeling and synthesis. Journal of Biomedical Materials Research - Part A, 2015, 103, 1077-1084.	4.0	6
47	A prospective overview of the essential requirements in molecular modeling for nanomedicine design. Future Medicinal Chemistry, 2013, 5, 929-946.	2.3	9
48	Flavonoids and Polymer Derivatives as CYP3A4 Inhibitors for Improved Oral Drug Bioavailability. Journal of Pharmaceutical Sciences, 2013, 102, 541-555.	3.3	21
49	Micromechanical and physical stability analysis of an irradiated poly (lactic-co-glycolic acid) donut-shaped minitablet device for intraocular implantation. Pharmaceutical Development and Technology, 2013, 18, 1186-1203.	2.4	1
50	Preparation, characterization,in vivoand biochemical evaluation of brain targeted Piperine solid lipid nanoparticles in an experimentally induced Alzheimerâ€™s disease model. Journal of Drug Targeting, 2013, 21, 300-311.	4.4	126
51	An Interactive Human Carbonic Anhydraseâ€<scp>II</scp> (h<scp>CA</scp>â€<scp>II</scp>) Receptor â€“ Pharmacophore Molecular Model & Antiâ€Convulsant Activity of the Designed and Synthesized 5â€Aminoâ€1,3,4â€Thiadiazoleâ€2â€Thiol Conjugated Imine Derivatives. Chemical Biology and Drug Design, 2013, 81, 666-673.	3.2	8
52	<I>In Silico</I> Designed, Self-Assembled, Functionalized Single-Walled Carbon Nanotubes and, Deoxyribose Nucleic Acids (<I>f</I>-SW-CNT-DNA) Bioconjugate as Probable Biomolecular Transporters. Journal of Bionanoscience, 2013, 7, 530-550.	0.4	3
53	Phase-Coupled Oscillations in the Brain: Nonlinear Phenomena in Cellular Signalling. , 2013, 2013, 1-7.		1
54	Composite Polylactic-Methacrylic Acid Copolymer Nanoparticles for the Delivery of Methotrexate. Journal of Drug Delivery, 2012, 2012, 1-18.	2.5	20

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55	Advanced preformulation investigations for the development of a lead intravaginal bioadhesive polymeric device. Drug Development and Industrial Pharmacy, 2012, 38, 271-293.	2.0	1
56	Optimization of a polymer composite employing molecular mechanic simulations and artificial neural networks for a novel intravaginal bioadhesive drug delivery device. Pharmaceutical Development and Technology, 2012, 17, 407-420.	2.4	6
57	Plausible antioxidant biomechanics and anticonvulsant pharmacological activity of brain-targeted β-carotene nanoparticles. International Journal of Nanomedicine, 2012, 7, 4311.	6.7	26
58	The application of a crosslinked pectinâ€based wafer matrix for gradual buccal drug delivery. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012, 100B, 1029-1043.	3.4	6
59	Design, synthesis, and biological evaluation of bifunctional thyrointegrin inhibitors: new anti-angiogenesis analogs. Journal of Enzyme Inhibition and Medicinal Chemistry, 2011, 26, 871-882.	5.2	13
60	In Vivo Evaluation of the Release of Zidovudine and Polystyrene Sulfonate from a Dual Intravaginal Bioadhesive Polymeric Device in the Pig Model. Journal of Pharmaceutical Sciences, 2011, 100, 1416-1435.	3.3	8
61	An enzymeâ€mimetic chemical conversion and biogenetic outline for chemical marker pterocarponoid oxygen heterocycles from Kudzu vine. Journal of Heterocyclic Chemistry, 2011, 48, 168-175.	2.6	3
62	Polymeric emulsion and crosslink-mediated synthesis of super-stable nanoparticles as sustained-release anti-tuberculosis drug carriers. Colloids and Surfaces B: Biointerfaces, 2011, 87, 243-254.	5.0	48
63	Fabrication, Modeling and Characterization of Multi-Crosslinked Methacrylate Copolymeric Nanoparticles for Oral Drug Delivery. International Journal of Molecular Sciences, 2011, 12, 6194-6225.	4.1	17
64	Investigation of the Physicochemical and Physicomechanical Properties of a Novel Intravaginal Bioadhesive Polymeric Device in the Pig Model. AAPS PharmSciTech, 2010, 11, 793-808.	3.3	11
65	A Simple & Convenient Solid Phase Synthesis of Bacterial Origin Octapeptide Sequence, Glu-Asp-Gly-Asn-Lys-Pro-Gly-Lys-OH. International Journal of Peptide Research and Therapeutics, 2010, 16, 39-42.	1.9	0
66	Osteosaponins 1 and 2: two new saponin glycosides fromOsteospermum vaillantii. Natural Product Research, 2010, 24, 1258-1267.	1.8	6
67	Kinetic and Structural Modeling Mechanisms of Melatonin Transport from an Electrolytically Regulated Salted-out PLGA Scaffold. Journal of Bioactive and Compatible Polymers, 2009, 24, 266-296.	2.1	3
68	Mechanistic evaluation of alginate-HEC gelisphere compacts for controlled intrastriatal nicotine release in Parkinson's disease. Journal of Pharmaceutical Sciences, 2009, 98, 2059-2072.	3.3	3
69	An improved synthesis of Biginelli-type compounds via phase-transfer catalysis. Tetrahedron Letters, 2009, 50, 2889-2892.	1.4	83
70	Design, biometric simulation and optimization of a nano-enabled scaffold device for enhanced delivery of dopamine to the brain. International Journal of Pharmaceutics, 2009, 382, 277-290.	5.2	69
71	In vitro and ex vivo bioadhesivity analysis of polymeric intravaginal caplets using physicomechanics and computational structural modeling. International Journal of Pharmaceutics, 2009, 370, 151-159.	5.2	15
72	Syntheses and anti-depressant activity of 5-amino-1, 3, 4-thiadiazole-2-thiol imines and thiobenzyl derivatives. Bioorganic and Medicinal Chemistry, 2008, 16, 8029-8034.	3.0	114

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73	Chemometric, physicomechanical and rheological analysis of the solâ€“gel dynamics and degree of crosslinking of glycosidic polymers. Biomedical Materials (Bristol), 2008, 3, 025003.	3.3	8
74	Elucidation of the physicomechanical and ab initio quantum energy transitions of a crosslinked PLGA scaffold. Biomaterials, 2007, 28, 3714-3723.	11.4	5
75	BENZYLATION OF FLAVAN-3-OLS (CATECHINS). Organic Preparations and Procedures International, 2004, 36, 61-67.	1.3	7
76	Biologically Active Secondary Metabolites from Ginkgo biloba. Journal of Agricultural and Food Chemistry, 2002, 50, 3150-3155.	5.2	74
77	Investigation of UÃ±a De Gato I. 7-Deoxyloganic acid and 15N NMR spectroscopic studies on pentacyclic oxindole alkaloids from Uncaria tomentosa. Phytochemistry, 2001, 57, 781-785.	2.9	53
78	A facile synthesis of biogenetic precursor, puerarone, isolated from Pueraria sp. Journal of Heterocyclic Chemistry, 2001, 38, 1007-1009.	2.6	7
79	Improved Method for the Determination of Oxindole Alkaloids in Uncaria tomentosa by High Performance Liquid Chromatography. Planta Medica, 2001, 67, 447-450.	1.3	30
80	Sitosterol sucroside from the suckers of Mentha arvensis. Phytochemistry, 1997, 45, 1295-1296.	2.9	5
81	Puetuberosanol, an epoxychalcanol from Pueraria tuberosa. Phytochemistry, 1996, 42, 243-244.	2.9	16