

Riaz A Khan

List of Publications by Year in descending order

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81
papers

1,738
citations

346980

22
h-index

355658

38
g-index

82
all docs

82
docs citations

82
times ranked

2523
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. <i>Bioinorganic Chemistry and Applications</i> , 2022, 2022, 1-19.	1.8	13
2	Anthocyanins: Traditional Uses, Structural and Functional Variations, Approaches to Increase Yields and Products's™ Quality, Hepatoprotection, Liver Longevity, and Commercial Products. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2149.	1.8	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. <i>BioMed Research International</i> , 2022, 2022, 1-13.	0.9	18
4	Design, preparation, and functionalization of nanobiomaterials for enhanced efficacy in current and future biomedical applications. <i>Nanotechnology Reviews</i> , 2022, 11, 1802-1826.	2.6	17
5	Phytochemical profiling, molecular docking, and anti-hepatocellular carcinoid bioactivity of extracts. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103950.	2.3	15
6	In Vitro Anti-Proliferative, and Kinase Inhibitory Activity of Phenanthroindolizidine Alkaloids Isolated from <i>Tylophora indica</i> . <i>Plants</i> , 2022, 11, 1295.	1.6	3
7	Galangin/ β -Cyclodextrin Inclusion Complex as a Drug-Delivery System for Improved Solubility and Biocompatibility in Breast Cancer Treatment. <i>Molecules</i> , 2022, 27, 4521.	1.7	28
8	Brain targeted Polysorbate-80 coated PLGA thymoquinone nanoparticles for the treatment of Alzheimer's disease, with biomechanistic insights. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 61, 102214.	1.4	23
9	Gold Nanoparticles and Graphene Oxide Flakes Synergistic Partaking in Cytosolic Bactericidal Augmentation: Role of ROS and NOX2 Activity. <i>Microorganisms</i> , 2021, 9, 101.	1.6	22
10	Phytochemical Profiling, In Vitro and In Silico Anti-Microbial and Anti-Cancer Activity Evaluations and Staph GyraseB and h-TOP-II β Receptor-Docking Studies of Major Constituents of <i>Zygophyllum coccineum</i> L. Aqueous-Ethanollic Extract and Its Subsequent Fractions: An Approach to Validate Traditional Phytochemical Knowledge. <i>Molecules</i> , 2021, 26, 577.	1.7	38
11	Phytochemical Analysis, Pharmacological and Safety Evaluations of Halophytic Plant, <i>Salsola cyclophylla</i> . <i>Molecules</i> , 2021, 26, 2384.	1.7	18
12	Gold Nanoparticles and Graphene Oxide Flakes Enhance Cancer Cells's™ Phagocytosis through Granzyme-Perforin-Dependent Biomechanism. <i>Nanomaterials</i> , 2021, 11, 1382.	1.9	20
13	Layer-by-Layer Nanoparticles of Tamoxifen and Resveratrol for Dual Drug Delivery System and Potential Triple-Negative Breast Cancer Treatment. <i>Pharmaceutics</i> , 2021, 13, 1098.	2.0	39
14	Isolation, characterization, anti-MRSA evaluation, and in-silico multi-target anti-microbial validations of actinomycin X2 and actinomycin D produced by novel <i>Streptomyces smyrnaeus</i> UKAQ_23. <i>Scientific Reports</i> , 2021, 11, 14539.	1.6	39
15	In Vitro and In Silico Approaches for the Antileishmanial Activity Evaluations of Actinomycins Isolated from Novel <i>Streptomyces smyrnaeus</i> Strain UKAQ_23. <i>Antibiotics</i> , 2021, 10, 887.	1.5	13
16	Chemical Profile, Antioxidant, Antimicrobial, and Anticancer Activities of the Water-Ethanol Extract of <i>Pulicaria undulata</i> Growing in the Oasis of Central Saudi Arabian Desert. <i>Plants</i> , 2021, 10, 1811.	1.6	23
17	Quercetin against MCF7 and CAL51 breast cancer cell lines: apoptosis, gene expression and cytotoxicity of nano-quercetin. <i>Nanomedicine</i> , 2021, 16, 1937-1961.	1.7	44
18	Roles of <i>Suaeda vermiculata</i> Aqueous-Ethanollic Extract, Its Subsequent Fractions, and the Isolated Compounds in Hepatoprotection against Paracetamol-Induced Toxicity as Compared to Silymarin. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-10.	1.9	11

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19	Sage, <i>Salvia officinalis</i> L., Constituents, Hepatoprotective Activity, and Cytotoxicity Evaluations of the Essential Oils Obtained from Fresh and Differently Timed Dried Herbs: A Comparative Analysis. <i>Molecules</i> , 2021, 26, 5757.	1.7	15
20	The halophytic plant, <i>Suaeda vermiculata</i> Forssk extracts reduce the inflamed paw edema and exert potential antimicrobial activity. <i>Pakistan Journal of Botany</i> , 2021, 53, .	0.2	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. <i>Nanotechnology Reviews</i> , 2021, 10, 1493-1559.	2.6	18
22	Comparative Phytochemical Profile and Biological Activity of Four Major Medicinal Halophytes from Qassim Flora. <i>Plants</i> , 2021, 10, 2208.	1.6	25
23	Octreotide-conjugated silver nanoparticles for active targeting of somatostatin receptors and their application in a nebulized rat model. <i>Nanotechnology Reviews</i> , 2021, 11, 266-283.	2.6	13
24	Miniaturized peptidomimetics and nano-vesiculation in endothelin types through probable nano-disk formation and structure property relationships of endothelins™ fragments. <i>Nanotechnology Reviews</i> , 2021, 11, 220-243.	2.6	0
25	Contemporary nano-architected drugs and leads for $\alpha_2\beta_1$ integrin-based chemotherapy: Rationale and retrospect. <i>Nanotechnology Reviews</i> , 2021, 11, 204-219.	2.6	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. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127604.	1.0	3
27	<i>Suaeda vermiculata</i> Aqueous-Ethanol Extract-Based Mitigation of CCl4-Induced Hepatotoxicity in Rats, and HepG-2 and HepG-2/ADR Cell-Lines-Based Cytotoxicity Evaluations. <i>Plants</i> , 2020, 9, 1291.	1.6	23
28	Anti-Microbial, Anti-Oxidant, and α -Amylase Inhibitory Activity of Traditionally-Used Medicinal Herbs: A Comparative Analyses of Pharmacology, and Phytoconstituents of Regional Halophytic Plants™ Diaspora. <i>Molecules</i> , 2020, 25, 5457.	1.7	22
29	Pyrethroid-Induced Organ Toxicity and Anti-Oxidant-Supplemented Amelioration of Toxicity and Organ Damage: The Protective Roles of Ascorbic Acid and α -Tocopherol. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6177.	1.2	10
30	<p>Silver Citrate Nanoparticles Inhibit PMA-Induced TNF α Expression via Deactivation of NF- κ B Activity in Human Cancer Cell-Lines, MCF-7<p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 8479-8493.	3.3	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. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 58, 101808.	1.4	13
32	Drying Induced Impact on Composition and Oil Quality of Rosemary Herb, <i>Rosmarinus Officinalis</i> Linn. <i>Molecules</i> , 2020, 25, 2830.	1.7	26
33	Liposome-based drug delivery of various anticancer agents of synthetic and natural product origin: a patent overview. <i>Pharmaceutical Patent Analyst</i> , 2020, 9, 87-116.	0.4	9
34	Non-invasive drug delivery technology: development and current status of transdermal drug delivery devices, techniques and biomedical applications. <i>Biomedizinische Technik</i> , 2020, 65, 243-272.	0.9	90
35	Anti-angiogenic Mechanism, Biochemical Factors™ Roles, Therapeutic Agents, and Under Clinical Trial Drugs for Breast and Prostate Cancers. <i>Anti-angiogenesis Drug Discovery and Development</i> , 2020, , 30-85.	0.1	0
36	Potential <i>in-vitro</i> anti-breast cancer activity of green-synthesized silver nanoparticles preparation against human MCF-7 cell-lines. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2019, 10, 045012.	0.7	12

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37	Natural products chemistry: The emerging trends and prospective goals. Saudi Pharmaceutical Journal, 2018, 26, 739-753.	1.2	72
38	Biomechanistic insights into the roles of oxidative stress in generating complex neurological disorders. Biological Chemistry, 2018, 399, 305-319.	1.2	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.	1.5	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.	0.7	2
41	The Chemo-Biological Outreach of Nano-Biomaterials: Implications for Tissue Engineering and Regenerative Medicine. Current Pharmaceutical Design, 2017, 23, 3538-3549.	0.9	8
42	Synthesis of Metâ€enkephalin by solutionâ€phase peptide synthesis methodology utilizing <i>para</i>â€toluene sulfonic acid as Nâ€terminal masking of <sc>l</sc>â€methionine amino acid. Chemical Biology and Drug Design, 2016, 88, 884-888.	1.5	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.	1.2	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.	5.3	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.	2.1	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.	2.1	6
47	A prospective overview of the essential requirements in molecular modeling for nanomedicine design. Future Medicinal Chemistry, 2013, 5, 929-946.	1.1	9
48	Flavonoids and Polymer Derivatives as CYP3A4 Inhibitors for Improved Oral Drug Bioavailability. Journal of Pharmaceutical Sciences, 2013, 102, 541-555.	1.6	21
49	Micromechanical and physical stability analysis of an irradiated poly (lactic-co-glycolic acid) donut-shaped minitabket device for intraocular implantation. Pharmaceutical Development and Technology, 2013, 18, 1186-1203.	1.1	1
50	Preparation, characterization, <i>in vivo</i> and 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.	2.1	126
51	An Interactive Human Carbonic Anhydraseâ€ (h<sc>CA</sc>â€ 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.	1.5	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. <i>Drug Development and Industrial Pharmacy</i> , 2012, 38, 271-293.	0.9	1
56	Optimization of a polymer composite employing molecular mechanic simulations and artificial neural networks for a novel intravaginal bioadhesive drug delivery device. <i>Pharmaceutical Development and Technology</i> , 2012, 17, 407-420.	1.1	6
57	Plausible antioxidant biomechanics and anticonvulsant pharmacological activity of brain-targeted β -carotene nanoparticles. <i>International Journal of Nanomedicine</i> , 2012, 7, 4311.	3.3	26
58	The application of a crosslinked pectin-based wafer matrix for gradual buccal drug delivery. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 1029-1043.	1.6	6
59	Design, synthesis, and biological evaluation of bifunctional thymine integrin inhibitors: new anti-angiogenesis analogs. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2011, 26, 871-882.	2.5	13
60	In Vivo Evaluation of the Release of Zidovudine and Polystyrene Sulfonate from a Dual Intravaginal Bioadhesive Polymeric Device in the Pig Model. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 1416-1435.	1.6	8
61	An enzyme-mimetic chemical conversion and biogenetic outline for chemical marker pterocarponoid oxygen heterocycles from Kudzu vine. <i>Journal of Heterocyclic Chemistry</i> , 2011, 48, 168-175.	1.4	3
62	Polymeric emulsion and crosslink-mediated synthesis of super-stable nanoparticles as sustained-release anti-tuberculosis drug carriers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 87, 243-254.	2.5	48
63	Fabrication, Modeling and Characterization of Multi-Crosslinked Methacrylate Copolymeric Nanoparticles for Oral Drug Delivery. <i>International Journal of Molecular Sciences</i> , 2011, 12, 6194-6225.	1.8	17
64	Investigation of the Physicochemical and Physicomechanical Properties of a Novel Intravaginal Bioadhesive Polymeric Device in the Pig Model. <i>AAPS PharmSciTech</i> , 2010, 11, 793-808.	1.5	11
65	A Simple & Convenient Solid Phase Synthesis of Bacterial Origin Octapeptide Sequence, Glu-Asp-Gly-Asn-Lys-Pro-Gly-Lys-OH. <i>International Journal of Peptide Research and Therapeutics</i> , 2010, 16, 39-42.	0.9	0
66	Osteosaponins 1 and 2: two new saponin glycosides from <i>Osteospermum vaillantii</i> . <i>Natural Product Research</i> , 2010, 24, 1258-1267.	1.0	6
67	Kinetic and Structural Modeling Mechanisms of Melatonin Transport from an Electrolytically Regulated Salted-out PLGA Scaffold. <i>Journal of Bioactive and Compatible Polymers</i> , 2009, 24, 266-296.	0.8	3
68	Mechanistic evaluation of alginate-HEC gelisphere compacts for controlled intrastriatal nicotine release in Parkinson's disease. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 2059-2072.	1.6	3
69	An improved synthesis of Biginelli-type compounds via phase-transfer catalysis. <i>Tetrahedron Letters</i> , 2009, 50, 2889-2892.	0.7	83
70	Design, biometric simulation and optimization of a nano-enabled scaffold device for enhanced delivery of dopamine to the brain. <i>International Journal of Pharmaceutics</i> , 2009, 382, 277-290.	2.6	69
71	In vitro and ex vivo bioadhesivity analysis of polymeric intravaginal caplets using physicomechanics and computational structural modeling. <i>International Journal of Pharmaceutics</i> , 2009, 370, 151-159.	2.6	15
72	Syntheses and anti-depressant activity of 5-amino-1, 3, 4-thiadiazole-2-thiol imines and thiobenzyl derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 8029-8034.	1.4	114

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73	Chemometric, physicochemical and rheological analysis of the sol-gel dynamics and degree of crosslinking of glycosidic polymers. <i>Biomedical Materials (Bristol)</i> , 2008, 3, 025003.	1.7	8
74	Elucidation of the physicochemical and ab initio quantum energy transitions of a crosslinked PLGA scaffold. <i>Biomaterials</i> , 2007, 28, 3714-3723.	5.7	5
75	BENZYLATION OF FLAVAN-3-OLS (CATECHINS). <i>Organic Preparations and Procedures International</i> , 2004, 36, 61-67.	0.6	7
76	Biologically Active Secondary Metabolites from <i>Ginkgo biloba</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 3150-3155.	2.4	74
77	Investigation of Uña De Gato I. 7-Deoxyloganic acid and 15N NMR spectroscopic studies on pentacyclic oxindole alkaloids from <i>Uncaria tomentosa</i> . <i>Phytochemistry</i> , 2001, 57, 781-785.	1.4	53
78	A facile synthesis of biogenetic precursor, puerarone, isolated from <i>Pueraria</i> sp. <i>Journal of Heterocyclic Chemistry</i> , 2001, 38, 1007-1009.	1.4	7
79	Improved Method for the Determination of Oxindole Alkaloids in <i>Uncaria tomentosa</i> by High Performance Liquid Chromatography. <i>Planta Medica</i> , 2001, 67, 447-450.	0.7	30
80	Sitosterol sucroside from the suckers of <i>Mentha arvensis</i> . <i>Phytochemistry</i> , 1997, 45, 1295-1296.	1.4	5
81	Puetuberosanol, an epoxychalconol from <i>Pueraria tuberosa</i> . <i>Phytochemistry</i> , 1996, 42, 243-244.	1.4	16