

# Umar Farooq

## List of Publications by Year in descending order

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228  
papers

4,843  
citations

136950

32  
h-index

138484

58  
g-index

242  
all docs

242  
docs citations

242  
times ranked

6179  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosorption of heavy metal ions using wheat based biosorbents – A review of the recent literature. <i>Bioresource Technology</i> , 2010, 101, 5043-5053.	9.6	707
2	Traditional Uses, Phytochemistry, and Pharmacology of <i>Olea europaea</i> (Olive). <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-29.	1.2	190
3	Effect of modification of environmentally friendly biosorbent wheat ( <i>Triticum aestivum</i> ) on the biosorptive removal of cadmium(II) ions from aqueous solution. <i>Chemical Engineering Journal</i> , 2011, 171, 400-410.	12.7	155
4	Electrochemical determination of inorganic mercury and arsenic – A review. <i>Biosensors and Bioelectronics</i> , 2015, 74, 895-908.	10.1	111
5	Solution of an Economic Dispatch Problem Through Particle Swarm Optimization: A Detailed Survey - Part I. <i>IEEE Access</i> , 2017, 5, 15105-15141.	4.2	94
6	Biosorption of heavy metals from aqueous solutions using indigenous and modified lignocellulosic materials. <i>Reviews in Environmental Science and Biotechnology</i> , 2015, 14, 211-228.	8.1	79
7	Isolation of dihydrobenzofuran derivatives from ethnomedicinal species <i>Polygonum barbatum</i> as anticancer compounds. <i>Biological Research</i> , 2019, 52, 1.	3.4	79
8	Electrocatalytic and Enhanced Photocatalytic Applications of Sodium Niobate Nanoparticles Developed by Citrate Precursor Route. <i>Scientific Reports</i> , 2019, 9, 4488.	3.3	75
9	Transition-metal-free synthesis of oxazoles: valuable structural fragments in drug discovery. <i>RSC Advances</i> , 2016, 6, 93016-93047.	3.6	73
10	Potential biosorbent, <i>Haloxylon recurvum</i> plant stems, for the removal of methylene blue dye. <i>Arabian Journal of Chemistry</i> , 2017, 10, S1512-S1522.	4.9	68
11	Facile synthesis of silver nanoparticles in a crosslinked polymeric system by in situ reduction method for catalytic reduction of 4-nitroaniline. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 2027-2036.	2.2	68
12	Neurologically Potent Molecules from <i>Crataegus oxyacantha</i> ; Isolation, Anticholinesterase Inhibition, and Molecular Docking. <i>Frontiers in Pharmacology</i> , 2017, 8, 327.	3.5	65
13	Sulfonamides as Potential Bioactive Scaffolds. <i>Current Organic Chemistry</i> , 2018, 22, 818-830.	1.6	65
14	Phenolic glycosides from <i>Symplocos racemosa</i> : natural inhibitors of phosphodiesterase I. <i>Phytochemistry</i> , 2003, 63, 217-220.	2.9	62
15	Advances in Pharmacology of Isatin and its Derivatives: A Review. <i>Tropical Journal of Pharmaceutical Research</i> , 2015, 14, 1937.	0.3	62
16	Secondary Metabolites Isolated from an Endophytic <i>Phoma</i> sp. – Absolute Configuration of Tetrahydropyrenophorol Using the Solid-State TDDFT CD Methodology. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 3206-3211.	2.4	60
17	Organocatalytic Stereoselective Iodoamination of Alkenes. <i>Chemistry - A European Journal</i> , 2014, 20, 13113-13116.	3.3	58
18	Fabrication and Photocatalytic Applications of Perovskite Materials with Special Emphasis on Alkali-Metal-Based Niobates and Tantalates. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 18-41.	3.7	58

#	ARTICLE	IF	CITATIONS
19	Solution of an Economic Dispatch Problem Through Particle Swarm Optimization: A Detailed Survey â€” Part II. IEEE Access, 2017, 5, 24426-24445.	4.2	56
20	Iodoxolone-Based Hypervalent Iodine Reagents. Organic Letters, 2009, 11, 3578-3581.	4.6	51
21	Tyrosinase Inhibitors from Rhododendron collettianum and Their Structure-Activity Relationship (SAR) Studies. Chemical and Pharmaceutical Bulletin, 2004, 52, 1458-1461.	1.3	49
22	Development of Cuboidal KNbO <sub>3</sub> @±-Fe <sub>2</sub> O <sub>3</sub> Hybrid Nanostructures for Improved Photocatalytic and Photoelectrocatalytic Applications. ACS Omega, 2020, 5, 20491-20505.	3.5	47
23	Thioamination of Alkenes with Hypervalent Iodine Reagents. Chemistry - A European Journal, 2016, 22, 1614-1617.	3.3	46
24	Combined in Vitro and in Silico Studies for the Anticholinesterase Activity and Pharmacokinetics of Coumarinyl Thiazoles and Oxadiazoles. Frontiers in Chemistry, 2018, 6, 61.	3.6	45
25	Fluorene-Based Fluorometric and Colorimetric Conjugated Polymers for Sensitive Detection of 2,4,6-Trinitrophenol Explosive in Aqueous Medium. ACS Omega, 2022, 7, 1057-1070.	3.5	45
26	&lt;p&gt;Rifampicin conjugated silver nanoparticles: a new arena for development of antibiofilm potential against methicillin resistant&lt;em&gt; Staphylococcus aureus&lt;/em&gt; and&lt;em&gt; Klebsiella pneumoniae&lt;/em&gt;&lt;/p&gt;. International Journal of Nanomedicine, 2019, Volume 14, 3983-3993.	6.7	43
27	Photocatalytic degradation and kinetic modeling of azo dye using bimetallic photocatalysts: effect of synthesis and operational parameters. Environmental Science and Pollution Research, 2020, 27, 2992-3006.	5.3	43
28	Synthesis and Tetraphenylethylene-Based Aggregation-Induced Emission Probe for Rapid Detection of Nitroaromatic Compounds in Aqueous Media. ACS Omega, 2021, 6, 25447-25460.	3.5	42
29	Water quality assessment of the River Kabul at Peshawar, Pakistan: Industrial and urban wastewater impacts. Journal of Water Chemistry and Technology, 2013, 35, 170-176.	0.6	41
30	Fungi as chemical industries and genetic engineering for the production of biologically active secondary metabolites. Asian Pacific Journal of Tropical Biomedicine, 2014, 4, 859-870.	1.2	39
31	Recent Approaches of Forecasting and Optimal Economic Dispatch to Overcome Intermittency of Wind and Photovoltaic (PV) Systems: A Review. Energies, 2019, 12, 4392.	3.1	39
32	High-Surface-Area Sodium Tantalate Nanoparticles with Enhanced Photocatalytic and Electrical Properties Prepared through Polymeric Citrate Precursor Route. ACS Omega, 2019, 4, 19408-19419.	3.5	35
33	Hypervalent Bromine Compounds: Smaller, More Reactive Analogues of Hypervalent Iodine Compounds. Angewandte Chemie - International Edition, 2009, 48, 1018-1020.	13.8	34
34	&lt;p&gt;Apoptotic and antimetastatic activities of betulin isolated from &lt;em&gt;Quercus incana&lt;/em&gt; against non-small cell lung cancer cells&lt;/p&gt;. Cancer Management and Research, 2019, Volume 11, 1667-1683.	1.9	34
35	Three New Cholinesterase-Inhibiting cis-Clerodane Diterpenoids from Otostegia limbata. Chemical and Pharmaceutical Bulletin, 2005, 53, 378-381.	1.3	33
36	Spectroscopic and density functional theory studies of 5,7,3â€²,5â€²-tetrahydroxyflavanone from the leaves of Olea ferruginea. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 128, 225-230.	3.9	33

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37	Inhibitory Effects of <i>Glycyrrhiza glabra</i> and Its Major Constituent Glycyrrhizin on Inflammation-Associated Corneal Neovascularization. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-8.	1.2	32
38	Fuzzy Model Based Bilateral Control Design of Nonlinear Tele-Operation System Using Method of State Convergence. IEEE Access, 2016, 4, 4119-4135.	4.2	31
39	Alkaloids as Cyclooxygenase Inhibitors in Anticancer Drug Discovery. Current Protein and Peptide Science, 2018, 19, 292-301.	1.4	30
40	Recent advances in combinatorial cancer therapy via multifunctionalized gold nanoparticles. Nanomedicine, 2020, 15, 1221-1237.	3.3	30
41	Thermal-pressure-mediated hydrolysis of Reactive Blue 19 dye. Journal of Hazardous Materials, 2009, 172, 1007-1012.	12.4	28
42	Antinociceptive and anti-inflammatory activities of flavonoids isolated from <i>Pistacia integerrima</i> galls. Complementary Therapies in Medicine, 2016, 25, 132-138.	2.7	28
43	Antioxidant, Antimicrobial, and Free Radical Scavenging Potential of Aerial Parts of <i>Periploca aphylla</i> and <i>Ricinus communis</i> . ISRN Pharmacology, 2012, 2012, 1-6.	1.6	27
44	Evaluation of Antioxidant, Free Radical Scavenging, and Antimicrobial Activity of <i>Quercus incana</i> Roxb.. Frontiers in Pharmacology, 2015, 6, 277.	3.5	27
45	Phosphodiesterase and Thymidine Phosphorylase-Inhibiting Salirepin Derivatives from <i>Symplocos racemosa</i> . Planta Medica, 2004, 70, 1189-1194.	1.3	26
46	<i>Phragmites karkaas</i> a Biosorbent for the Removal of Mercury Metal Ions from Aqueous Solution: Effect of Modification. Journal of Chemistry, 2015, 2015, 1-12.	1.9	25
47	Preparation, characterization and application of Cu <sup>2+</sup> /Ni/TiO <sub>2</sub> in Orange II photodegradation under visible light: effect of different reaction parameters and optimization. RSC Advances, 2016, 6, 55650-55665.	3.6	25
48	Exploring Protein Stability by Comparative Molecular Dynamics Simulations of Homologous Hyperthermophilic, Mesophilic, and Psychrophilic Proteins. Journal of Chemical Information and Modeling, 2016, 56, 2129-2139.	5.4	25
49	Two New Diterpenoids from <i>Ballota limbata</i> . Chemical and Pharmaceutical Bulletin, 2004, 52, 441-443.	1.3	24
50	Neo-Fuzzy Integrated Adaptive Decayed Brain Emotional Learning Network for Online Time Series Prediction. IEEE Access, 2017, 5, 1037-1049.	4.2	24
51	Structural evolution and electronic properties of CoSi <sub>n</sub> <sup>+</sup> ( <i>n</i> = 3-12) clusters: mass-selected anion photoelectron spectroscopy and quantum chemistry calculations. Physical Chemistry Chemical Physics, 2019, 21, 6207-6215.	2.8	24
52	Multifunctional Efficacy of Environmentally Benign Silver Nanospheres for Organic Transformation, Photocatalysis, and Water Remediation. ACS Omega, 2020, 5, 26063-26076.	3.5	24
53	Isolation, Characterization and Neuroprotective Activity of Folecitin: An In Vivo Study. Life, 2021, 11, 825.	2.4	24
54	Insight to rapid removal of Pb(II), Cd(II), and Cu(II) from aqueous solution using an agro-based adsorbent <i>Sorghum bicolor</i> L. biomass. Desalination and Water Treatment, 2013, 51, 4390-4401.	1.0	23

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55	Robust Synthesis of Ciprofloxacin-Capped Metallic Nanoparticles and Their Urease Inhibitory Assay. <i>Molecules</i> , 2016, 21, 411.	3.8	23
56	Urease inhibitory profile of extracts and chemical constituents of <i>Pistacia atlantica</i> ssp. <i>cabulica</i> Stocks. <i>Natural Product Research</i> , 2016, 30, 1411-1416.	1.8	23
57	Interaction of Graphene Quantum Dots with Oligothiophene: A Comprehensive Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2019, 123, 29556-29570.	3.1	22
58	Exploring the ability of dihydropyrimidine-5-carboxamide and 5-benzyl-2,4-diaminopyrimidine-based analogues for the selective inhibition of L. <i>major</i> dihydrofolate reductase. <i>European Journal of Medicinal Chemistry</i> , 2021, 210, 112986.	5.5	22
59	Adsorption of Pb(II) ions onto biomass from <i>Trifolium resupinatum</i> : equilibrium and kinetic studies. <i>Applied Water Science</i> , 2013, 3, 665-672.	5.6	21
60	Pharmacological screening of <i>Monothecha buxifolia</i> (Falc.) A. DC. for antinociceptive, anti-inflammatory and antipyretic activities. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 273.	3.7	21
61	Isolation and characterization of three new anti-proliferative Sesquiterpenes from <i>Polygonum barbatum</i> and their mechanism via apoptotic pathway. <i>BMC Cancer</i> , 2017, 17, 694.	2.6	21
62	Four New Diterpenoids from <i>Ballota limbata</i> . <i>Helvetica Chimica Acta</i> , 2004, 87, 682-689.	1.6	20
63	Identification of new benzamide inhibitor against $\beta$ -subunit of tryptophan synthase from <i>Mycobacterium tuberculosis</i> through structure-based virtual screening, anti-tuberculosis activity and molecular dynamics simulations. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 1043-1053.	3.5	20
64	Garlic ( <i>Allium sativum</i> L.): Its Chemistry, Nutritional Composition, Toxicity, and Anticancer Properties. <i>Current Topics in Medicinal Chemistry</i> , 2022, 22, 957-972.	2.1	20
65	Isolation of Four New Pterocarpanes from <i>Zygophyllum eurypterum</i> (Syn. <i>Z. atriplicoides</i> ) with Enzyme-Inhibition Properties. <i>Chemistry and Biodiversity</i> , 2006, 3, 996-1003.	2.1	19
66	Urease inhibitory activity of ursane type sulfated saponins from the aerial parts of <i>Zygophyllum fabago</i> Linn. <i>Phytomedicine</i> , 2014, 21, 379-382.	5.3	19
67	Biochemical and Metabolic Changes in Arsenic Contaminated <i>Boehmeria nivea</i> L. <i>BioMed Research International</i> , 2016, 2016, 1-8.	1.9	19
68	Moxifloxacin-capped noble metal nanoparticles as potential urease inhibitors. <i>New Journal of Chemistry</i> , 2015, 39, 8080-8086.	2.8	18
69	Bioactive chromone constituents from <i>Vitex negundo</i> ; alleviate pain and inflammation. <i>Journal of Pain Research</i> , 2018, Volume 11, 95-102.	2.0	18
70	An Efficient Classification of MRI Brain Images. <i>IEEE Access</i> , 2021, 9, 33313-33322.	4.2	18
71	Fluorenone-Based Fluorescent and Colorimetric Sensors for Selective Detection of $\text{Cu}^{2+}$ Ions: Applications in HeLa Cell Imaging and Logic Gate. <i>ACS Omega</i> , 2022, 7, 9730-9742.	3.5	18
72	Benzylaminoethureido-Tailed Benzenesulfonamides: Design, Synthesis, Kinetic and X-ray Investigations on Human Carbonic Anhydrases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2560.	4.1	17

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73	<i>Catharanthus roseus</i> extract mediated synthesis of cobalt nanoparticles: evaluation of antioxidant, antibacterial, hemolytic and catalytic activities. <i>Inorganic and Nano-Metal Chemistry</i> , 2020, 50, 1171-1180.	1.6	17
74	Iron Oxide (Fe <sub>3</sub> O <sub>4</sub> )-Supported SiO <sub>2</sub> Magnetic Nanocomposites for Efficient Adsorption of Fluoride from Drinking Water: Synthesis, Characterization, and Adsorption Isotherm Analysis. <i>Water (Switzerland)</i> , 2021, 13, 1514.	2.7	17
75	Bioassay-Guided Isolation of Sesquiterpene Coumarins from <i>Ferula narthex</i> Bioss: A New Anticancer Agent. <i>Frontiers in Pharmacology</i> , 2016, 7, 26.	3.5	16
76	Equilibrium, kinetic and thermodynamic biosorption studies of Hg(II) on red algal biomass of <i>Porphyridium cruentum</i> . <i>Green Chemistry Letters and Reviews</i> , 2016, 9, 179-189.	4.7	16
77	Sedative and antinociceptive activities of two new sesquiterpenes isolated from <i>Ricinus communis</i> . <i>Chinese Journal of Natural Medicines</i> , 2018, 16, 225-230.	1.3	16
78	Optimal Power Flow and Unified Control Strategy for Multi-Terminal HVDC Systems. <i>IEEE Access</i> , 2019, 7, 92642-92650.	4.2	16
79	Macromolecules as targeted drugs delivery vehicles: an overview. <i>Designed Monomers and Polymers</i> , 2019, 22, 91-97.	1.6	16
80	Citric Acid Functionalized <i>Bougainvillea spectabilis</i> : a Novel, Sustainable, and Cost-effective Biosorbent for Removal of Heavy Metal (Pb <sup>2+</sup> ) from Waste Water. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	2.4	16
81	Risk Assessment of Heavy Metals in Selected Marine Fish Species of Gadani Shipbreaking Area and Pakistan. <i>Animals</i> , 2020, 10, 1738.	2.3	16
82	Biosorption of Pb(II) and Cr(III) from aqueous solutions: breakthrough curves and modeling studies. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 845-854.	2.7	15
83	Insight into the binding of copper(II) by non-toxic biodegradable material ( <i>Oryza sativa</i> ): effect of modification and interfering ions. <i>Clean Technologies and Environmental Policy</i> , 2014, 16, 579-590.	4.1	15
84	A Rare Class of New Dimeric Naphthoquinones from <i>Diospyros lotus</i> have Multidrug Reversal and Antiproliferative Effects. <i>Frontiers in Pharmacology</i> , 2015, 6, 293.	3.5	15
85	A new rosane-type diterpenoid from <i>Stachys parviflora</i> and its density functional theory studies. <i>Natural Product Research</i> , 2015, 29, 813-819.	1.8	15
86	Removal of Cadmium (II) from Aqueous Medium Using <i>Vigna radiata</i> Leave Biomass: Equilibrium Isotherms, Kinetics and Thermodynamics. <i>Zeitschrift Fur Physikalische Chemie</i> , 2019, 233, 669-690.	2.8	15
87	Two Ceramides from <i>Tanacetum artemesioides</i> . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2004, 59, 329-333.	0.7	14
88	<i>Azadirachata indicum</i> (Neem): An Effective Biosorbent for the Removal of Lead (II) from Aqueous Solutions. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2007, 79, 288-292.	2.7	14
89	The Potential Use of <i>Vetiveria zizanioides</i> for the Phytoremediation of Antimony, Arsenic and Their Co-Contamination. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2017, 99, 511-517.	2.7	14
90	A Single-Phase Buck and Boost AC-to-AC Converter with Bipolar Voltage Gain: Analysis, Design, and Implementation. <i>Energies</i> , 2019, 12, 1376.	3.1	14

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91	One pot synthesis and surface modification of mesoporous iron oxide nanoparticles. <i>Nano Structures Nano Objects</i> , 2019, 19, 100343.	3.5	14
92	First principle studies on structure, magneto-electronic and elastic properties of photovoltaic semiconductor halide (RbGeI <sub>3</sub> ) and ferromagnetic half metal oxide (RbDyO <sub>3</sub> ). <i>Computational Condensed Matter</i> , 2019, 19, e00381.	2.1	14
93	A New Single-Phase AC Voltage Converter With Voltage Buck Characteristics for Grid Voltage Compensation. <i>IEEE Access</i> , 2020, 8, 48886-48903.	4.2	14
94	Pharmacophore model-based virtual screening, docking, biological evaluation and molecular dynamics simulations for inhibitors discovery against <i>Mycobacterium tuberculosis</i> tryptophan synthase from <i>Mycobacterium tuberculosis</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 610-620.	3.5	14
95	Synthesis of New Enantiomerically Pure Organoiodine Catalysts and Their Application in the $\alpha$ -Functionalization of Ketones. <i>Synthesis</i> , 2010, 2010, 1023-1029.	2.3	13
96	A new approach to modification of an agro-based raw material for Pb(II) adsorption. <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 467-474.	2.7	13
97	Three new anthraquinone derivatives isolated from <i>Symplocos racemosa</i> and their antibiofilm activity. <i>Chinese Journal of Natural Medicines</i> , 2017, 15, 944-949.	1.3	13
98	Efficacy of spent black tea for the removal of nitrobenzene from aqueous media. <i>Journal of Environmental Management</i> , 2018, 223, 771-778.	7.8	13
99	POM Analysis of Phytotoxic Agents from <i>Pistacia integerrima</i> Stewart. <i>Current Bioactive Compounds</i> , 2015, 11, 231-238.	0.5	13
100	Two New Flavonol Glycosides from <i>Otostegia limbata</i> BENTH.. <i>Chemical and Pharmaceutical Bulletin</i> , 2009, 57, 276-279.	1.3	12
101	Microwave-assisted urea-modified sorghum biomass for Cr (III) elimination from aqueous solutions. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 1257-1264.	2.7	12
102	Comparative enzyme inhibition study of 1-deazapurines. <i>Medicinal Chemistry Research</i> , 2016, 25, 2599-2606.	2.4	12
103	Multi-functional organic-inorganic hydrogel microspheres as efficient catalytic system for reduction of toxic dyes in aqueous medium. <i>Zeitschrift Fur Physikalische Chemie</i> , 2022, 236, 87-105.	2.8	12
104	Chemical remediation and advanced oxidation process of polychlorinated biphenyls in contaminated soils: a review. <i>Environmental Science and Pollution Research</i> , 2022, 29, 22930-22945.	5.3	12
105	Phosphodiesterase-Inhibiting Glycosides from <i>Symplocos racemosa</i> . <i>Helvetica Chimica Acta</i> , 2004, 87, 67-72.	1.6	11
106	Bioassay-guided isolation of novel and selective urease inhibitors from <i>Diospyros lotus</i> . <i>Chinese Journal of Natural Medicines</i> , 2017, 15, 865-870.	1.3	11
107	Optimized Digital Controllers for Switching-Mode DC-DC Step-Down Converter. <i>Electronics (Switzerland)</i> , 2018, 7, 412.	3.1	11
108	Hydrothermal assisted synthesis and structural characterization of Zn doped SnO <sub>2</sub> nanoparticles for catalytic reduction of 4-nitrophenol. <i>Materials Today: Proceedings</i> , 2021, 36, 717-723.	1.8	11

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109	Electronic structure of polythiophene gas sensors for chlorinated analytes. <i>Journal of Molecular Modeling</i> , 2020, 26, 44.	1.8	11
110	Multivariable Unconstrained Pattern Search Method for Optimizing Digital PID Controllers Applied to Isolated Forward Converter. <i>Energies</i> , 2021, 14, 77.	3.1	11
111	Two New Acylated Flavonol Glycosides from the Roots of <i>Otostegia limbata</i> . <i>Helvetica Chimica Acta</i> , 2009, 92, 731-739.	1.6	10
112	An Extended State Convergence Architecture for Multilateral Teleoperation Systems. <i>IEEE Access</i> , 2017, 5, 2063-2079.	4.2	10
113	Biosorption characteristics of <i>Pennisetum glaucum</i> for the removal of Pb(II), Ni(II) and Cd(II) ions from aqueous medium. <i>Green Chemistry Letters and Reviews</i> , 2017, 10, 462-470.	4.7	10
114	Knowledge of Medicinal Plants for Children Diseases in the Environs of District Bannu, Khyber Pakhtoonkhwa (KPK). <i>Frontiers in Pharmacology</i> , 2017, 8, 430.	3.5	10
115	Appearance of V-encapsulated tetragonal prism motifs in VSi <sub>10</sub> <sup>+</sup> and VSi <sub>11</sub> <sup>+</sup> clusters. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 22989-22996.	2.8	10
116	Comparative study on sensing abilities of polyaniline and graphene polyaniline composite sensors toward methylamine and ammonia. <i>Polymers for Advanced Technologies</i> , 2020, 31, 3351-3360.	3.2	10
117	Development and Evaluation of Drug Loaded Regenerated Bacterial Cellulose-Based Matrices as a Potential Dosage Form. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 579404.	4.1	10
118	Targeting protein tyrosine phosphatase to unravel possible inhibitors for <i>Streptococcus pneumoniae</i> using molecular docking, molecular dynamics simulations coupled with free energy calculations. <i>Life Sciences</i> , 2021, 264, 118621.	4.3	10
119	Iron-Zinc Co-Doped Titania Nanocomposite: Photocatalytic and Photobiocidal Potential in Combination with Molecular Docking Studies. <i>Catalysts</i> , 2021, 11, 1112.	3.5	10
120	Assessing the ethnobotanical potential of <i>Carissa opaca</i> berries by merging outcomes from metabolomics profiling, enzyme assays, and in silico docking studies. <i>Food Chemistry</i> , 2021, 363, 130259.	8.2	10
121	Gastrointestinal Motility and Acute Toxicity of Pistagremic Acid Isolated from the Galls of <i>Pistacia integerrima</i> . <i>Medicinal Chemistry</i> , 2017, 13, 292-294.	1.5	10
122	Phomosines Hâ€‘J, Novel Highly Substituted Biaryl Ethers, Isolated from the Endophytic Fungus <i>Phomopsis</i> sp. from <i>Ligustrum vulgare</i> . <i>Natural Product Communications</i> , 2011, 6, 1934578X1100601.	0.5	9
123	Isolation and Structure Determination of Three New Sesquiterpenoids from <i>Achillea millefolium</i> . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2012, 67, 421-425.	0.7	9
124	Computational identification of potential drug targets against <i>Mycobacterium leprae</i> . <i>Medicinal Chemistry Research</i> , 2016, 25, 473-481.	2.4	9
125	Lead Assessment in Biological Samples of Children with Different Gastrointestinal Disorders. <i>Biological Trace Element Research</i> , 2016, 169, 41-45.	3.5	9
126	Neo-Fuzzy Supported Brain Emotional Learning Based Pattern Recognizer for Classification Problems. <i>IEEE Access</i> , 2017, 5, 6951-6968.	4.2	9

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127	Protein stability and dynamics influenced by ligands in extremophilic complexes – a molecular dynamics investigation. <i>Molecular BioSystems</i> , 2017, 13, 1874-1887.	2.9	9
128	Antidepressant Effect of Two New Benzyl Derivatives from Wild Strawberry <i>Fragaria vesca</i> var. <i>nubicola</i> Lindl. ex Hook.f.. <i>Frontiers in Pharmacology</i> , 2017, 8, 469.	3.5	9
129	Structural evolution and electronic properties of Au <sub>2</sub> Ge <sup>n</sup> /O (n=1~8) clusters: Anion photoelectron spectroscopy and theoretical calculations. <i>Chinese Journal of Chemical Physics</i> , 2019, 32, 229-240.	1.3	9
130	Green synthesis, characterisation and biological evaluation of plant-based silver nanoparticles using <i>Quercus semecarpifolia</i> Smith aqueous leaf extract. <i>IET Nanobiotechnology</i> , 2019, 13, 36-41.	3.8	9
131	A New Single-Phase Direct Frequency Controller Having Reduced Switching Count without Zero-Crossing Detector for Induction Heating System. <i>Electronics (Switzerland)</i> , 2020, 9, 430.	3.1	9
132	Pakistan'dan toplanan <i>Ä¼Ä¸ tÄ±bbi bitkinin antibakteriyel etkileri, sitotoksisite ve fitotoksisite profilleri.</i> <i>Marmara Pharmaceutical Journal</i> , 2017, 21, 261-261.	0.5	9
133	Lipoxygenase inhibiting ethyl substituted glycoside from <i>Symplocos racemosa</i> . <i>Natural Product Research</i> , 2005, 19, 509-515.	1.8	8
134	Two new diterpene polyesters from <i>Euphorbia decipiens</i> . <i>Natural Product Research</i> , 2005, 19, 267-274.	1.8	8
135	Synthesis, structure-activity relationship and antinociceptive activities of some 2-(2-pyridyl) benzimidazole derivatives. <i>Medicinal Chemistry Research</i> , 2016, 25, 1216-1228.	2.4	8
136	Rapid Synthesis of Gold Nanoparticles from <i>Quercus incana</i> and Their Antimicrobial Potential against Human Pathogens. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 29.	2.5	8
137	An Impedance Network-Based Three Level Quasi Neutral Point Clamped Inverter with High Voltage Gain. <i>Energies</i> , 2020, 13, 1261.	3.1	8
138	Design and Analysis of Dual band Microstrip Antenna for Millimeter Wave Communication Applications. <i>International Journal of Computing and Digital Systems</i> , 2020, 9, 607-614.	0.7	8
139	Two new trans-clerodane diterpenoids from <i>Otostegia limbata</i> . <i>Journal of Asian Natural Products Research</i> , 2007, 9, 91-95.	1.4	7
140	Environmentally Benign Urea-modified <i>Triticum aestivum</i> Biomass for Lead (II) Elimination from Aqueous Solutions. <i>Clean - Soil, Air, Water</i> , 2010, 38, 49-56.	1.1	7
141	Insight into Equilibrium and Kinetics of the Binding of Cadmium Ions on Radiation-Modified Straw from <i>Oryza sativa</i> . <i>Hindawi Journal of Chemistry</i> , 2013, 2013, 1-12.	1.6	7
142	A new trypsin inhibitory phthalic acid ester from <i>Heliotropium strigosum</i> . <i>Medicinal Chemistry Research</i> , 2014, 23, 2712-2714.	2.4	7
143	Dye removal using carbonized biomass, isotherm and kinetic studies. <i>Desalination and Water Treatment</i> , 2015, 53, 2289-2298.	1.0	7
144	Phytoextraction of HG by parsley ( <i>Petroselinum crispum</i> ) and its growth responses. <i>International Journal of Phytoremediation</i> , 2016, 18, 354-357.	3.1	7

#	ARTICLE	IF	CITATIONS
145	In vivo study on analgesic, gastrointestinal tract (GIT) motility, and anti-termite potential of methanolic extract of <i>Sarcococca saligna</i> (D. Don) Muell. fruits. <i>South African Journal of Botany</i> , 2018, 114, 40-43.	2.5	7
146	Isolation and Characterization of Two New Antimicrobial Acids from <i>Quercus incana</i> (Bluejack) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.9	7
147	A composite state convergence scheme for bilateral teleoperation systems. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2019, 6, 1166-1178.	13.1	7
148	Biosorption of Cu(II) from aqueous solution onto immobilized <i>Ficus religiosa</i> branch powder in a fixed bed column: Breakthrough curves and mathematical modeling. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 48-55.	2.7	7
149	Benzylaminoethylureido- $\alpha$ -Tailed Benzenesulfonamides Show Potent Inhibitory Activity against Bacterial Carbonic Anhydrases. <i>ChemMedChem</i> , 2020, 15, 2444-2447.	3.2	7
150	Biosorptive Removal of Cadmium(II) and Copper(II) Using Microwave-Assisted Thiourea-Modified <i>Sorghum bicolor</i> Agrowaste. <i>Journal of Chemistry</i> , 2020, 2020, 1-11.	1.9	7
151	The antioxidant N-(2-mercaptopropionyl)-glycine (tiopronin) attenuates expression of neuropathic allodynia and hyperalgesia. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2021, 394, 603-617.	3.0	7
152	Ultrasonic Induced Decomposition of Methidathion Pesticide. <i>Journal of Applied Sciences</i> , 2007, 8, 140-145.	0.3	7
153	A simplistic approach to evaluate the power conversion efficiencies for hybrid charge transport layers in open-air fabricated perovskite solar cells. <i>Journal of Materials Research</i> , 2022, 37, 1323-1340.	2.6	7
154	Three new sesquiterpene hemiacetals from <i>Achillea vermicularis</i> . <i>Natural Product Research</i> , 2005, 19, 551-559.	1.8	6
155	Two New Disulfated Triterpenoids from <i>Zygophyllum fabago</i> . <i>Helvetica Chimica Acta</i> , 2010, 93, 2070-2074.	1.6	6
156	Isolation and characterization of two new diterpenoids from <i>Stachys parviflora</i> : Antidiarrheal potential in mice. <i>Phytochemistry Letters</i> , 2015, 14, 198-202.	1.2	6
157	Fatty Acid Composition and Biological Activities of Oily Fractions from <i>Pistacia integerrima</i> Roots. <i>Chemistry of Natural Compounds</i> , 2017, 53, 830-833.	0.8	6
158	Isolation and Characterization of Two New Secondary Metabolites From <i>Quercus incana</i> and Their Antidepressant- and Anxiolytic-Like Potential. <i>Frontiers in Pharmacology</i> , 2018, 9, 298.	3.5	6
159	Oxindole-based chalcones: synthesis and their activity against glycation of proteins. <i>Medicinal Chemistry Research</i> , 2019, 28, 900-906.	2.4	6
160	<i>In vitro</i> $\alpha$ -glucosidase and urease enzyme inhibition profile of some selected medicinal plants of Pakistan. <i>Natural Product Research</i> , 2021, 35, 5434-5439.	1.8	6
161	Kinetic and Isothermal Investigations of Cost-Effective Sorptive Elimination of Gentian Violet Dye from Water Using <i>Haplophragma adenophyllum</i> Biowaste. <i>Journal of Chemistry</i> , 2021, 2021, 1-12.	1.9	6
162	A Simple Two-Stage AC-AC Circuit Topology Employed as High-Frequency Controller for Domestic Induction Heating System. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8325.	2.5	6

#	ARTICLE	IF	CITATIONS
163	Theoretical Approach to Evaluate the Gas-Sensing Performance of Graphene Nanoribbon/Oligothiophene Composites. ACS Omega, 2022, 7, 2260-2274.	3.5	6
164	Two New Rare-Class Tetracyclic Diterpenoids from <i>Otostegia limbata</i> . Chemical and Pharmaceutical Bulletin, 2007, 55, 471-473.	1.3	5
165	Sulfated Triterpene Glycosides from <i>Zygophyllum Fabago</i> . Natural Product Communications, 2007, 2, 1934578X0700201.	0.5	5
166	Investigation of antitussive and toxicological activity of <i>Ballota limbata</i> in mice. Pharmaceutical Biology, 2011, 49, 627-632.	2.9	5
167	Use of wheat straw for effective binding of metal ions via a novel modification. Korean Journal of Chemical Engineering, 2015, 32, 1818-1826.	2.7	5
168	Derivative-Free Direct Search Optimization Method for Enhancing Performance of Analytical Design Approach-Based Digital Controller for Switching Regulator. Energies, 2019, 12, 2183.	3.1	5
169	Artificial Intelligence-Based Controller for DC-DC Flyback Converter. Applied Sciences (Switzerland), 2019, 9, 5108.	2.5	5
170	Biosynthesis, characterization and photo-catalytic degradation of methylene blue using silver nanoparticles. Materials Today: Proceedings, 2020, 29, 1039-1043.	1.8	5
171	Evolution of the structural, dielectric and electrical transport properties of Bi <sub>2</sub> Te <sub>3</sub> nano-sticks synthesized via polyol and solvothermal routes. Physica B: Condensed Matter, 2020, 588, 412183.	2.7	5
172	Analysis of drug binding pockets and repurposing opportunities for twelve essential enzymes of ESKAPE pathogens. PeerJ, 2017, 5, e3765.	2.0	5
173	Folecitin Isolated from <i>Hypericum oblongifolium</i> Exerts Neuroprotection against Lipopolysaccharide-Induced Neuronal Synapse and Memory Dysfunction via p-AKT/Nrf-2/HO-1 Signalling Pathway. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-10.	1.2	5
174	Ab initio study for superior sensitivity of graphyne nanoflake towards nitrogen halides over ammonia. Journal of Molecular Modeling, 2022, 28, .	1.8	5
175	A New Dimeric Secoiridoid Glycoside from the Leaves of <i>Olea ferruginea</i> Royle. Helvetica Chimica Acta, 2015, 98, 668-673.	1.6	4
176	A new secoiridoid glycosidic lignan ester from the leaves of <i>Olea ferruginea</i> . Magnetic Resonance in Chemistry, 2015, 53, 163-166.	1.9	4
177	Sedative and muscle relaxant activities of diterpenoids from <i>Phlomischema parviflorum</i> . Revista Brasileira De Farmacognosia, 2017, 27, 636-640.	1.4	4
178	Millimeter Wave (MMW) Communications for Fifth Generation (5G) Mobile Networks. Advances in Intelligent Systems and Computing, 2019, , 97-106.	0.6	4
179	Biosorption of Cd(II) ions from its aqueous solutions using powdered branches of <i>Trifolium resupinatum</i> : equilibrium and kinetics. Green Chemistry Letters and Reviews, 2019, 12, 217-224.	4.7	4
180	Design of Three Phase Solid State Transformer Deployed within Multi-Stage Power Switching Converters. Applied Sciences (Switzerland), 2019, 9, 3545.	2.5	4

#	ARTICLE	IF	CITATIONS
181	Age-related declines in ejaculate quality and sperm kinematics vary among strains of Japanese Quail ( <i>Coturnix japonica</i> ). <i>Journal of Chemical Physics</i> , 2020, 153, 134301.	1.4	4
182	Hydration processes of barium chloride: Size-selected anion photoelectron spectroscopy and theoretical calculations of BaCl <sub>2</sub> -water clusters. <i>Journal of Chemical Physics</i> , 2020, 153, 134301.	3.0	4
183	Reversal of Multidrug Resistance and Computational Studies of Pistagremic Acid Isolated from <i>Pistacia integerrima</i> . <i>Asian Pacific Journal of Cancer Prevention</i> , 2016, 17, 2311-2314.	1.2	4
184	Environmentally benevolent urea modified <i>Saccharum bengalense</i> as a high capacity biosorbent for removal of Pb(II) ions: metal uptake modeling and adsorption efficiency. <i>Desalination and Water Treatment</i> , 2014, 52, 5856-5868.	1.0	3
185	<i>Gardenia jasminoides</i> : an ornamental plant for the biosorption of lead and cadmium ions. <i>Desalination and Water Treatment</i> , 2016, 57, 10432-10442.	1.0	3
186	Isolation and characterisation of three new anthraquinone secondary metabolites from <i>Symplocos racemosa</i> . <i>Natural Product Research</i> , 2016, 30, 168-173.	1.8	3
187	Effects of temperature and salinity on the production of cell biomass, chlorophyll-a and intra- and extracellular nodularins (NOD) and nodulopeptin 901 produced by <i>Nodularia spumigena</i> KAC 66. <i>Journal of Applied Phycology</i> , 2017, 29, 1801-1810.	2.8	3
188	A Time-Delayed Multi-Master-Single-Slave Non-Linear Tele-Robotic System Through State Convergence. <i>IEEE Access</i> , 2018, 6, 5447-5459.	4.2	3
189	Polyaniline emeraldine salt as selective electrochemical sensor for HBr over HCl: a systematic density functional theory study through oligomer approach. <i>Journal of Molecular Modeling</i> , 2020, 26, 332.	1.8	3
190	Remarkable enhancement in sensor ability of polyaniline upon composite formation with ZnO for industrial effluents. <i>Journal of Molecular Graphics and Modelling</i> , 2020, 101, 107724.	2.4	3
191	Exploring multi-target inhibitors using <i>in silico</i> approach targeting cell cycle dysregulator CDK proteins. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 8825-8839.	3.5	3
192	Inhibition Profiling of Urease and Carbonic Anhydrase II by High- Throughput Screening and Molecular Docking Studies of Structurally Diverse Organic Compounds. <i>Letters in Drug Design and Discovery</i> , 2021, 18, 299-312.	0.7	3
193	Macrocyclic sulfone derivatives: Synthesis, characterization, in vitro biological evaluation and molecular docking. <i>Drug Development Research</i> , 2021, 82, 562-574.	2.9	3
194	Fluoride removal using simple protonated and xanthate modified protonated <i>Ficus religiosa</i> branch powder in a fixed-bed column. <i>Journal of Chemical Physics</i> , 2020, 150, 204-212.		3
195	A novel biosorbent <i>B. spectabilis</i> stalks leaves for removal of Cd(II) and Cu(II) from wastewater. <i>Journal of Chemical Physics</i> , 2020, 148, 222-228.		3
196	Pharmacognostic and phytochemical studies of <i>Zanthoxylum armatum</i> DC. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2017, 30, 429-438.	0.2	3
197	Tandem high resolution mass spectrometry based phytochemical composition of <i>Sauromatum guttatum</i> tubers and its enzyme inhibitory potential with molecular docking. <i>Journal of Chromatography A</i> , 2022, 1672, 463055.	3.7	3
198	Complete <sup>1</sup> H and <sup>13</sup> C NMR assignments of two new trans-clerodane diterpenoids from <i>Otostegia limbata</i> . <i>Magnetic Resonance in Chemistry</i> , 2007, 45, 766-769.	1.9	2

#	ARTICLE	IF	CITATIONS
199	Two New Triterpenoids from <i>Zygophyllum eurypterum</i> . Natural Product Communications, 2011, 6, 1934578X1100600.	0.5	2
200	Two New Ballonigrin-type Diterpenoids from the Roots of <i>Ballota limbata</i> . Natural Product Communications, 2012, 7, 1934578X1200700.	0.5	2
201	Excessive chromium may cause dietary toxicity in parsley ( <i>Petroselinum crispum</i> ). Toxicological and Environmental Chemistry, 2014, 96, 287-295.	1.2	2
202	Three new acrylic acid derivatives from <i>Achillea mellifolium</i> as potential thymidine phosphorylase inhibitor: molecular docking and MD simulation studies. Journal of Biomolecular Structure and Dynamics, 2020, 39, 1-12.	3.5	2
203	Synthesis, evaluation of thymidine phosphorylase and angiogenic inhibitory potential of ciprofloxacin analogues: Repositioning of ciprofloxacin from antibiotic to future anticancer drugs. Bioorganic Chemistry, 2020, 100, 103876.	4.1	2
204	Potential of natural ferruginous manganese (NFM) ore as a natural adsorbent for As(III) removal at low concentration. International Journal of Environmental Analytical Chemistry, 2023, 103, 7252-7269.	3.3	2
205	A New Dual Polarity Direct AC-AC Voltage Regulator Ensuring Voltage Step-Up and Step-Down Capabilities. Applied Sciences (Switzerland), 2021, 11, 11944.	2.5	2
206	Two new ballonigrin-type diterpenoids from the roots of <i>Ballota limbata</i> . Natural Product Communications, 2012, 7, 149-50.	0.5	2
207	Facile Synthesis of the Shape-Persistent 4-Hydroxybenzaldehyde Based Macrocycles and Exploration of their Key Electronic Properties: An Experimental and DFT Approach. ChemistrySelect, 2022, 7, .	1.5	2
208	Matricarin. Acta Crystallographica Section E: Structure Reports Online, 2002, 58, o324-o325.	0.2	1
209	Bioassay-guided isolation of urease inhibitors from <i>Ferula narthex</i> Bioss. South African Journal of Botany, 2019, 120, 247-252.	2.5	1
210	Mobility of Japanese quail spermatozoa and its relationship to egg fertility. Reproduction in Domestic Animals, 2021, , .	1.4	1
211	Lab-scale continuous flow studies for comparative biosorption of cadmium (II) on untreated and xanthated <i>Ficus religiosa</i> biomass. Water Environment Research, 2021, 93, 2681-2695.	2.7	1
212	Design and Analysis of Rectangular Microstrip Antenna (RMSA) for Millimeter Wave Communication Applications. Traitement Du Signal, 2019, 36, 433-438.	1.3	1
213	A Bipolar Voltage Gain Boost AC-AC Converter Based on Four Switching Transistors. Applied Sciences (Switzerland), 2021, 11, 10254.	2.5	1
214	Ultrasonic green synthesis of different nickel nanoparticles and their application in Cr(VI) removal studies. Inorganic and Nano-Metal Chemistry, 0, , 1-9.	1.6	1
215	Effect of modification of <i>Haloxylon recurvum</i> biomass on the sorption of acidic dye from aqueous media. Biomass Conversion and Biorefinery, 2024, 14, 4813-4827.	4.6	1
216	Two New Sesquiterpene Lactone-esters from <i>Achillea vermicularis</i> . Natural Product Communications, 2008, 3, 1934578X0800301.	0.5	0

#	ARTICLE	IF	CITATIONS
217	Insight to rapid removal of Pb(II), Cd(II), and Cu(II) from aqueous solution using an agro-based adsorbent <i>Sorghum bicolor</i> L. biomass [Desalination and Water Treatment, Volume 51 (2013) 4390-4401]. Desalination and Water Treatment, 2015, 56, (x)-(x).	1.0	0
218	Composition of the Essential Oil of Galium setaceum. Chemistry of Natural Compounds, 2018, 54, 586-587.	0.8	0
219	An enhanced state convergence architecture incorporating disturbance observer for bilateral teleoperation systems. International Journal of Advanced Robotic Systems, 2019, 16, 172988141988005.	2.1	0
220	A Study on the Coverage of Millimeter Wave (MMW) Communication Link for Fifth Generation (5G) Mobile Networks. Lecture Notes in Networks and Systems, 2019, , 361-370.	0.7	0
221	A profound density functional theory study to unravel the spectroscopic and molecular properties of two Flavanols differing in pyrone ring position. Journal of the Chinese Chemical Society, 2020, 67, 558-566.	1.4	0
222	Liquid-liquid extraction of Nd <sup>+3</sup> and Eu <sup>+3</sup> from aqueous medium using oxytetracycline in dichloromethane. Radiochimica Acta, 2021, 109, 445-452.	1.2	0
223	Detoxification of toxic cations Pb(II) and Cd(II) from liquid phase by employing Pennisetum glaucum biowaste: a kinetic investigation. International Journal of Phytoremediation, 2021, , 1-8.	3.1	0
224	Computational Studies on Isolated Compounds of Sclerochloa dura; their Efficacy towards Carbonic Anhydrase Inhibition and Anti-cancer Drug Targets. Letters in Drug Design and Discovery, 2021, 18, .	0.7	0
225	Screening and Structure-Activity Relationship of Potential Compounds against Proposed Targets of COVID-19 Infection. Letters in Drug Design and Discovery, 2021, 18, .	0.7	0
226	Unraveling the possible inhibitors for Chorismate synthase to combat tuberculosis using in silico approach. Journal of Biomolecular Structure and Dynamics, 2022, , 1-8.	3.5	0
227	Fabrication and characterization of nanocomposite membranes for the rejection of textile dye. Inorganic and Nano-Metal Chemistry, 0, , 1-9.	1.6	0
228	Sesquiterpene from Polygonum barbatum disrupts mitochondrial membrane potential to induce apoptosis and inhibits metastasis by downregulating matrix metalloproteinase and osteopontin in NCI-H460 cells. Naunyn-Schmiedeberg's Archives of Pharmacology, 0, , .	3.0	0