

Abdul Basit

List of Publications by Year in descending order

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Version: 2024-02-01

114
papers

4,977
citations

279798

23
h-index

118850

62
g-index

122
all docs

122
docs citations

122
times ranked

2876
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-in-range and frequency of continuous glucose monitoring: Recommendations for South Asia. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2022, 16, 102345.	3.6	6
2	Diabetes and Ramadan: Practical guidelines 2021. <i>Diabetes Research and Clinical Practice</i> , 2022, 185, 109185.	2.8	53
3	Isolation, toxinotyping and antimicrobial susceptibility testing of <i>Clostridium perfringens</i> isolated from Pakistan poultry. <i>Anaerobe</i> , 2022, 73, 102499.	2.1	8
4	IDF Diabetes Atlas: Global, regional and country-level diabetes prevalence estimates for 2021 and projections for 2045. <i>Diabetes Research and Clinical Practice</i> , 2022, 183, 109119.	2.8	2,873
5	Real-Time Energy Management and Load Scheduling with Renewable Energy Integration in Smart Grid. <i>Sustainability</i> , 2022, 14, 1792.	3.2	23
6	Evidence-based risk factors for major complications during Ramadan fasting in people with diabetes grouped under IDF-DAR risk categories. <i>Diabetes Research and Clinical Practice</i> , 2022, 185, 109234.	2.8	3
7	Automatic Generation Control in Modern Power Systems with Wind Power and Electric Vehicles. <i>Energies</i> , 2022, 15, 1771.	3.1	14
8	Linear Growth and Final Height in People With Type 1 Diabetes: A Study From Karachi, Pakistan. <i>Cureus</i> , 2022, 14, e22397.	0.5	1
9	Diabetes in Pakistan: addressing the crisis. <i>Lancet Diabetes and Endocrinology</i> , the, 2022, 10, 309-310.	11.4	5
10	Association of fibrinogen and plasminogen activator inhibitor-1 with diabetes mellitus.. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2022, 35, 165-169.	0.2	0
11	NDSP-10: The Cardiometabolic Risk Profile with Various Degrees of Dysglycemia in Younger and Older Adults: Findings from the Second National Diabetes Survey of Pakistan 2016â€“2017. <i>Metabolic Syndrome and Related Disorders</i> , 2022, 20, 351-359.	1.3	1
12	Truncated human angiotensin converting enzyme 2; a potential inhibitor of SARS-CoV-2 spike glycoprotein and potent COVID-19 therapeutic agent. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 3605-3614.	3.5	58
13	NDSP 06: Prevalence and risk factors for obesity in urban and rural areas of Pakistan: A study from second National Diabetes Survey of Pakistan (NDSP), 2016â€“2017. <i>Obesity Research and Clinical Practice</i> , 2021, 15, 19-25.	1.8	10
14	NDSP 09: Risk Assessment of Pakistani Individual for Diabetes (RAPID) â€“ Findings from Second National Diabetes Survey of Pakistan (NDSP) 2016â€“2017. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2021, Volume 14, 257-263.	2.4	1
15	Health Analysis of Transformer Winding Insulation Through Thermal Monitoring and Fast Fourier Transform (FFT) Power Spectrum. <i>IEEE Access</i> , 2021, 9, 114207-114217.	4.2	8
16	Genetic characterization of suspected MODY patients in Pakistan by next generation sequencingâ€”a pilot study. <i>International Journal of Diabetes in Developing Countries</i> , 2021, 41, 563-569.	0.8	2
17	The International Diabetes Federationâ€™s guide for diabetes epidemiological studies. <i>Diabetes Research and Clinical Practice</i> , 2021, 172, 108630.	2.8	54
18	Consequences of the COVID-19 pandemic for patients with metabolic diseases. <i>Nature Metabolism</i> , 2021, 3, 289-292.	11.9	33

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19	Predicting the risk of type 2 diabetes through anthropometric indices in Pakistani adults- A sub-analysis of second National diabetes survey of Pakistan 2016â€“2017 (NDSP-07). <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2021, 15, 543-547.	3.6	0
20	Heterogeneous contributions of change in population distribution of body mass index to change in obesity and underweight. <i>ELife</i> , 2021, 10, .	6.0	41
21	Automatic Generation Control Strategies in Conventional and Modern Power Systems: A Comprehensive Overview. <i>Energies</i> , 2021, 14, 2376.	3.1	46
22	Mutation-Based Antibiotic Resistance Mechanism in Methicillin-Resistant <i>Staphylococcus aureus</i> Clinical Isolates. <i>Pharmaceuticals</i> , 2021, 14, 420.	3.8	11
23	Inorganic Thermoelectric Fibers: A Review of Materials, Fabrication Methods, and Applications. <i>Sensors</i> , 2021, 21, 3437.	3.8	7
24	Psychometric Analysis for fear of COVID-19 Scale (FCV-19S) and its association with depression in patients with diabetes: A cross sectional study from a Tertiary Care Centre in Karachi, Pakistan. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2021, 15, 733-737.	3.6	14
25	Characterization of a lytic EBP bacteriophage with large size genome against <i>Enterobacter cloacae</i> . <i>Apmis</i> , 2021, 129, 461-469.	2.0	2
26	Designing Short Peptides to Block the Interaction of SARS-CoV-2 and Human ACE2 for COVID-19 Therapeutics. <i>Frontiers in Pharmacology</i> , 2021, 12, 731828.	3.5	11
27	Cloning and expression analysis of fused holin-endolysin from RL bacteriophage; Exhibits broad activity against multi drug resistant pathogens. <i>Enzyme and Microbial Technology</i> , 2021, 149, 109846.	3.2	17
28	Dynamic Thermal Model for Power Transformers. <i>IEEE Access</i> , 2021, 9, 71461-71469.	4.2	6
29	COVID-19 and metabolic disease: mechanisms and clinical management. <i>Lancet Diabetes and Endocrinology</i> , 2021, 9, 786-798.	11.4	155
30	Experimental Validations of Hybrid Excited Linear Flux Switching Machine. <i>Energies</i> , 2021, 14, 7274.	3.1	3
31	Comprehensive genetic screening reveals wide spectrum of genetic variants in monogenic forms of diabetes among Pakistani population. <i>World Journal of Diabetes</i> , 2021, 12, 1957-1966.	3.5	0
32	SGP-C: A Broad Host Range Temperate Bacteriophage; Against <i>Salmonella gallinarum</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 768931.	3.5	2
33	Association of IL-6 & IL-1 ^{Î²} (pro-inflammatory cytokines) and related biochemical indexes in newly diagnosed diabetics subjected to glucose tolerance test. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2021, 34, 9-14.	0.2	0
34	Prevalence and contributing risk factors for hypertension in urban and rural areas of Pakistan; a study from second National Diabetes Survey of Pakistan (NDSP) 2016â€“2017. <i>Clinical and Experimental Hypertension</i> , 2020, 42, 218-224.	1.3	26
35	Frequency and risk factors of diabetic retinopathy in patients with type 2 diabetes presenting at a tertiary care hospital. <i>International Journal of Diabetes in Developing Countries</i> , 2020, 40, 87-92.	0.8	8
36	Tactfully decoupling interdependent electrical parameters via interstitial defects for SnTe thermoelectrics. <i>Nano Energy</i> , 2020, 67, 104292.	16.0	33

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37	NDSP 05: Prevalence and pattern of dyslipidemia in urban and rural areas of Pakistan; a sub analysis from second National Diabetes Survey of Pakistan (NDSP) 2016–2017. <i>Journal of Diabetes and Metabolic Disorders</i> , 2020, 19, 1215-1225.	1.9	16
38	A Novel Power Scheduling Mechanism for Islanded DC Microgrid Cluster. <i>Sustainability</i> , 2020, 12, 6918.	3.2	5
39	Relationship between diabetic retinopathy and diabetic nephropathy; A longitudinal follow-up study from a tertiary care unit of Karachi, Pakistan. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2020, 14, 1659-1663.	3.6	7
40	Glycated hemoglobin (HbA1c) as diagnostic criteria for diabetes: the optimal cut-off points values for the Pakistani population; a study from second National Diabetes Survey of Pakistan (NDSP) 2016–2017. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e001058.	2.8	5
41	Characterization of a thermostable, allosteric L-asparaginase from <i>Anoxybacillus flavithermus</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 152, 584-592.	7.5	19
42	Frameshift variance in SLC19A2 gene causing thiamine responsive megaloblastic anemia (TRMA): a case report from Pakistan. <i>International Journal of Diabetes in Developing Countries</i> , 2020, 40, 455-457.	0.8	3
43	Health-related quality of life of Pakistani adolescents with type 1 diabetes and their parents. <i>International Journal of Diabetes in Developing Countries</i> , 2020, 40, 436-441.	0.8	2
44	Clinical Presentation and Frequency of Metabolic Syndrome in Women With Polycystic Ovary Syndrome: An Experience From a Tertiary Care Hospital in Pakistan. <i>Cureus</i> , 2020, 12, e11860.	0.5	2
45	Glucagon-like peptide 1 and its association with dipeptidyl peptidase IV in subjects with various degrees of glucose tolerance. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2020, 33, 2773-2778.	0.2	0
46	Current management strategies to target the increasing incidence of diabetes within Pakistan. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2019, Volume 12, 85-96.	2.4	15
47	Prevalence of diabetic micro vascular complications at a tertiary care unit of Karachi, Pakistan. <i>International Journal of Diabetes in Developing Countries</i> , 2019, 39, 325-330.	0.8	3
48	Fast Processing Intelligent Wind Farm Controller for Production Maximisation. <i>Energies</i> , 2019, 12, 544.	3.1	11
49	Improvement in activity of cellulase Cel12A of <i>Thermotoga neapolitana</i> by error prone PCR. <i>Journal of Biotechnology</i> , 2019, 306, 118-124.	3.8	19
50	Tuning the Thermoelectric Performance of SnTe via Dual-Site Electronic Donation and Super-Saturation Solution. <i>ACS Applied Energy Materials</i> , 2019, 2, 7490-7496.	5.1	11
51	Parametric Optimization of Earth to Air Heat Exchanger Using Response Surface Method. <i>Sustainability</i> , 2019, 11, 3186.	3.2	19
52	Implementation and Analyses of Yaw Based Coordinated Control of Wind Farms. <i>Energies</i> , 2019, 12, 1266.	3.1	15
53	Flexible Modern Power System: Real-Time Power Balancing through Load and Wind Power. <i>Energies</i> , 2019, 12, 1710.	3.1	11
54	Clinical features, biochemistry and HLA-DRB1 status in youth-onset type 1 diabetes in Pakistan. <i>Diabetes Research and Clinical Practice</i> , 2019, 149, 9-17.	2.8	12

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55	Economic Load Dispatch of a Grid-Tied DC Microgrid Using the Interior Search Algorithm. <i>Energies</i> , 2019, 12, 634.	3.1	7
56	Impact of multidisciplinary foot care team on outcome of diabetic foot ulcer in term of lower extremity amputation at a tertiary care unit in Karachi, Pakistan. <i>International Wound Journal</i> , 2019, 16, 768-772.	2.9	20
57	Tailoring the Carrier and Phonon Scattering to Enhanced Thermoelectric Performance of SnTe by Cation-Anion Codoping with Eco-Benign CaI ₂ . <i>ACS Applied Energy Materials</i> , 2019, 2, 1997-2003.	5.1	25
58	Pakistan and diabetes—A country on the edge. <i>Diabetes Research and Clinical Practice</i> , 2019, 147, 166-168.	2.8	14
59	Effect of Sn doping on thermoelectric properties of p-type manganese telluride. <i>Journal of Alloys and Compounds</i> , 2019, 777, 968-973.	5.5	15
60	Reinforced bond covalency and multiscale hierarchical architecture to high performance eco-friendly MnTe-based thermoelectric materials. <i>Nano Energy</i> , 2019, 57, 703-710.	16.0	28
61	Thermoelectric Performance of Rapidly Microwave-Synthesized \pm -MgAgSb with SnTe Nanoinclusions. <i>Chemistry of Materials</i> , 2019, 31, 2421-2430.	6.7	26
62	Optimized health care for subjects with type 1 diabetes in a resource constraint society: A three-year follow-up study from Pakistan. <i>World Journal of Diabetes</i> , 2019, 10, 224-233.	3.5	3
63	Insulin-associated Weight Gain in Type 2 Diabetes and Its Relation with Caloric Intake. <i>Cureus</i> , 2019, 11, e5275.	0.5	0
64	Enhanced thermoelectric performance of SnTe: High efficient cation - anion Co-doping, hierarchical microstructure and electro-acoustic decoupling. <i>Nano Energy</i> , 2018, 47, 81-88.	16.0	67
65	Truncation of the processive Cel5A of <i>Thermotoga maritima</i> results in soluble expression and several fold increase in activity. <i>Biotechnology and Bioengineering</i> , 2018, 115, 1675-1684.	3.3	18
66	Simultaneous regulation of electrical and thermal transport properties in MnTe chalcogenides via the incorporation of p-type Sb ₂ Te ₃ . <i>Journal of Materials Chemistry A</i> , 2018, 6, 23473-23477.	10.3	23
67	Enhancing Capabilities of Double Sided Linear Flux Switching Permanent Magnet Machines. <i>Energies</i> , 2018, 11, 2781.	3.1	11
68	Health improvement of human hair and their reshaping using recombinant keratin K31. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2018, 20, e00288.	4.4	8
69	Maternal Nutrition during Early Pregnancy and Cardiometabolic Status of Neonates at Birth. <i>Journal of Diabetes Research</i> , 2018, 2018, 1-8.	2.3	11
70	An <i>in situ</i> eutectic remelting and oxide replacement reaction for superior thermoelectric performance of InSb. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17049-17056.	10.3	20
71	<i>Macrophomina phaseolina</i> alters the biochemical pathway in <i>Vigna radiata</i> hastened by Zn ²⁺ and FYM to improve plant growth. <i>Journal of Plant Interactions</i> , 2018, 13, 131-140.	2.1	27
72	Prevalence of diabetes, pre-diabetes and associated risk factors: second National Diabetes Survey of Pakistan (NDSP), 2016–2017. <i>BMJ Open</i> , 2018, 8, e020961.	1.9	116

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73	Molecular Characterization and Phylogenetic Analysis of Fowl Adenoviruses Isolated from Commercial Poultry Flocks in Pakistan during 2014-15. Pakistan Journal of Zoology, 2018, 50, .	0.2	4
74	Diabetes and Ramadan: Practical guidelines. Diabetes Research and Clinical Practice, 2017, 126, 303-316.	2.8	223
75	Multi-cations compound Cu ₂ CoSnS ₄ : DFT calculating, band engineering and thermoelectric performance regulation. Nano Energy, 2017, 36, 156-165.	16.0	47
76	Combination of Carrier Concentration Regulation and High Band Degeneracy for Enhanced Thermoelectric Performance of Cu ₃ SbSe ₄ . ACS Applied Materials & Interfaces, 2017, 9, 28558-28565.	8.0	30
77	Simultaneous optimization of the overall thermoelectric properties of Cu ₃ SbSe ₄ by band engineering and phonon blocking. Journal of Alloys and Compounds, 2017, 724, 597-602.	5.5	22
78	Specific features investigation of the AE ₂ Zn ₂ (AE=Ca, Sr, Ba) compounds from indirect to direct band gap: DFT study. Materials Science in Semiconductor Processing, 2017, 57, 116-123.	4.0	5
79	Improvement in Neuropathy Specific Quality of Life in Patients with Diabetes after Vitamin D Supplementation. Journal of Diabetes Research, 2017, 2017, 1-7.	2.3	32
80	Pakistan's Recommendations for Optimal Management of Diabetes from Primary to Tertiary care level (PROMPT). Pakistan Journal of Medical Sciences, 2017, 33, 1279-1283.	0.6	16
81	Frequency of depression among patients with Type-I diabetes in a developing country, Pakistan. Pakistan Journal of Medical Sciences, 2017, 33, 1318-1323.	0.6	5
82	Microbiological pattern of diabetic foot infections at a tertiary care center in a developing country. JPMA the Journal of the Pakistan Medical Association, 2017, 67, 665-669.	0.2	15
83	Effect of angiotensin converting enzyme inhibitor on glomerular hyperfiltration in patients with type 1 diabetes. Pakistan Journal of Medical Sciences, 2016, 32, 559-64.	0.6	3
84	Framingham risk score in impaired glucose tolerant population: A sub analysis of Diabetes Prevention and Awareness Program of Pakistan. Pakistan Journal of Medical Sciences, 2016, 32, 1121-1125.	0.6	1
85	Structural, optoelectronic, and thermoelectric properties of AZn ₁₃ (A=Na, K, Ca, Sr, Ba) compounds. International Journal of Modern Physics B, 2016, 30, 1650221.	2.0	3
86	Characteristics of a large cohort of patients with diabetes having at-risk feet and outcomes in patients with foot ulceration referred to a tertiary care diabetes unit. International Wound Journal, 2016, 13, 594-599.	2.9	13
87	Electronic, optical and thermoelectric properties of XNMG ₃ (X=P, As, Sb, Bi) compounds. Materials Science in Semiconductor Processing, 2016, 43, 69-74.	4.0	13
88	Vitamin D for the treatment of painful diabetic neuropathy. BMJ Open Diabetes Research and Care, 2016, 4, e000148.	2.8	88
89	Common variant within the FTO gene, rs9939609, obesity and type 2 diabetes in population of Karachi, Pakistan. Diabetes and Metabolic Syndrome: Clinical Research and Reviews, 2016, 10, 43-47.	3.6	16
90	Integrating GDM management in public health: Pakistan perspective. JPMA the Journal of the Pakistan Medical Association, 2016, 66, S101-4.	0.2	5

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91	Joint localization and target tracking with a monocular camera. <i>Robotics and Autonomous Systems</i> , 2015, 74, 1-14.	5.1	3
92	Risk indicators of diabetic retinopathy in patients with type 2 diabetes screened by fundus photographs: a study from Pakistan. <i>International Journal of Diabetes in Developing Countries</i> , 2015, 35, 333-338.	0.8	5
93	Evaluation of Diabetes Conversation Map, Education Tools for Diabetes Self-Management Education. <i>Diabetes Spectrum</i> , 2015, 28, 230-235.	1.0	15
94	Retinal Screening Acceptance, Laser Treatment Uptake and Follow-up Response in Diabetics Requiring Laser Therapy in an Urban Diabetes Care Centre. <i>Journal of the College of Physicians and Surgeons-Pakistan: JCPSP</i> , 2015, 25, 743-6.	0.4	6
95	Antibiogram of <i>Pseudomonas aeruginosa</i> and Methicillin-resistant <i>Staphylococcus aureus</i> in patients with diabetes. <i>Pakistan Journal of Medical Sciences</i> , 2014, 30, 814-8.	0.6	10
96	Association of SNP in FTO gene, rs9939609, with metabolic syndrome at a tertiary care unit of Karachi, Pakistan. <i>Pakistan Journal of Medical Sciences</i> , 2014, 31, 140-5.	0.6	9
97	Comparison of Ramadan-specific education level in patients with diabetes seen at a Primary and a Tertiary care center of Karachi-Pakistan. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2014, 8, 225-229.	3.6	7
98	Diagnostic accuracy of direct ophthalmoscopy for detection of diabetic retinopathy using fundus photographs as a reference standard. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2014, 8, 96-101.	3.6	9
99	Factors associated with non-adherence to insulin in patients with type 1 diabetes. <i>Pakistan Journal of Medical Sciences</i> , 2014, 30, 233-9.	0.6	19
100	Frequency, severity and risk indicators of retinopathy in patients with diabetes screened by fundus photographs: a study from primary health care. <i>Pakistan Journal of Medical Sciences</i> , 2014, 30, 366-72.	0.6	3
101	Changing pattern in the risk factors for diabetes in young adults from the rural area of Baluchistan. <i>JPMA the Journal of the Pakistan Medical Association</i> , 2013, 63, 1089-93.	0.2	5
102	Effect of Intervention in Subjects with High Risk of Diabetes Mellitus in Pakistan. <i>Journal of Nutrition and Metabolism</i> , 2012, 2012, 1-7.	1.8	24
103	Glimepiride: evidence-based facts, trends, and observations (GIFTS). [corrected]. <i>Vascular Health and Risk Management</i> , 2012, 8, 463-72.	2.3	41
104	Temporal changes in the prevalence of diabetes, impaired fasting glucose and its associated risk factors in the rural area of Baluchistan. <i>Diabetes Research and Clinical Practice</i> , 2011, 94, 456-462.	2.8	18
105	Trends of type 1 diabetes in Karachi, Pakistan. <i>Pediatric Diabetes</i> , 2008, 9, 401-406.	2.9	17
106	Prevalence of Metabolic Syndrome in Pakistan. <i>Metabolic Syndrome and Related Disorders</i> , 2008, 6, 171-175.	1.3	62
107	Relationship among fatness, blood lipids, and insulin resistance in Pakistani children. <i>Journal of Health, Population and Nutrition</i> , 2005, 23, 34-43.	2.0	5
108	Glycemic control, hypertension and chronic complications in type 2 diabetic subjects attending a tertiary care centre. <i>Journal of Ayub Medical College, Abbottabad: JAMC</i> , 2005, 17, 63-8.	0.1	7

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109	Frequency of statin use in type 2 diabetics having macrovascular disease- at a Tertiary Care Hospital of Karachi. Journal of Ayub Medical College, Abbottabad: JAMC, 2004, 16, 60-4.	0.1	0
110	Fatness, lipids, insulin sensitivity, and life style of children from high and low risk families. Journal of Ayub Medical College, Abbottabad: JAMC, 2003, 15, 6-9.	0.1	0
111	Differences in various biochemical and clinical parameters with respect to family history of NCDs in fourth year MBBS students of Karachi, Pakistan. Pakistan Journal of Medical Sciences, 1969, 31, 965-9.	0.6	0
112	Self-monitoring of blood glucose recommendations. Pakistan Journal of Medical Sciences, 1969, 30, 1150-5.	0.6	5
113	Measured versus calculated LDL-cholesterol in subjects with type 2 diabetes. Pakistan Journal of Medical Sciences, 1969, 32, 955-60.	0.6	13
114	Association of fasting glucagon-like peptide-1 and glucose dependent insulinotropic polypeptide with dyslipidemia in newly diagnosed diabetes. International Journal of Diabetes in Developing Countries, 0, 1.	0.8	0