

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	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
2	Diabetes and Ramadan: Practical guidelines. <i>Diabetes Research and Clinical Practice</i> , 2017, 126, 303-316.	2.8	223
3	COVID-19 and metabolic disease: mechanisms and clinical management. <i>Lancet Diabetes and Endocrinology</i> , 2021, 9, 786-798.	11.4	155
4	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
5	Vitamin D for the treatment of painful diabetic neuropathy. <i>BMJ Open Diabetes Research and Care</i> , 2016, 4, e000148.	2.8	88
6	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
7	Prevalence of Metabolic Syndrome in Pakistan. <i>Metabolic Syndrome and Related Disorders</i> , 2008, 6, 171-175.	1.3	62
8	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
9	The International Diabetes Federation's guide for diabetes epidemiological studies. <i>Diabetes Research and Clinical Practice</i> , 2021, 172, 108630.	2.8	54
10	Diabetes and Ramadan: Practical guidelines 2021. <i>Diabetes Research and Clinical Practice</i> , 2022, 185, 109185.	2.8	53
11	Multi-cations compound Cu ₂ CoSnS ₄ : DFT calculating, band engineering and thermoelectric performance regulation. <i>Nano Energy</i> , 2017, 36, 156-165.	16.0	47
12	Automatic Generation Control Strategies in Conventional and Modern Power Systems: A Comprehensive Overview. <i>Energies</i> , 2021, 14, 2376.	3.1	46
13	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
14	Glimepiride: evidence-based facts, trends, and observations (GIFTS). [corrected]. <i>Vascular Health and Risk Management</i> , 2012, 8, 463-72.	2.3	41
15	Tactfully decoupling interdependent electrical parameters via interstitial defects for SnTe thermoelectrics. <i>Nano Energy</i> , 2020, 67, 104292.	16.0	33
16	Consequences of the COVID-19 pandemic for patients with metabolic diseases. <i>Nature Metabolism</i> , 2021, 3, 289-292.	11.9	33
17	Improvement in Neuropathy Specific Quality of Life in Patients with Diabetes after Vitamin D Supplementation. <i>Journal of Diabetes Research</i> , 2017, 2017, 1-7.	2.3	32
18	Combination of Carrier Concentration Regulation and High Band Degeneracy for Enhanced Thermoelectric Performance of Cu ₃ SbSe ₄ . <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 28558-28565.	8.0	30

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19	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
20	<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
21	Prevalence and contributing risk factors for hypertension in urban and rural areas of Pakistan; a study from second National Diabetes Survey of Pakistan (NDSP) 2016–2017. <i>Clinical and Experimental Hypertension</i> , 2020, 42, 218-224.	1.3	26
22	Thermoelectric Performance of Rapidly Microwave-Synthesized δ -MgAgSb with SnTe Nano-inclusions. <i>Chemistry of Materials</i> , 2019, 31, 2421-2430.	6.7	26
23	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
24	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
25	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
26	Real-Time Energy Management and Load Scheduling with Renewable Energy Integration in Smart Grid. <i>Sustainability</i> , 2022, 14, 1792.	3.2	23
27	Simultaneous optimization of the overall thermoelectric properties of Cu ₃ SbSe ₄ by band engineering and phonon blocking. <i>Journal of Alloys and Compounds</i> , 2017, 724, 597-602.	5.5	22
28	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
29	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
30	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
31	Parametric Optimization of Earth to Air Heat Exchanger Using Response Surface Method. <i>Sustainability</i> , 2019, 11, 3186.	3.2	19
32	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
33	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
34	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
35	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
36	Trends of type 1 diabetes in Karachi, Pakistan. <i>Pediatric Diabetes</i> , 2008, 9, 401-406.	2.9	17

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37	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
38	Common variant within the FTO gene, rs9939609, obesity and type 2 diabetes in population of Karachi, Pakistan. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2016, 10, 43-47.	3.6	16
39	Pakistan's Recommendations for Optimal Management of Diabetes from Primary to Tertiary care level (PROMPT). <i>Pakistan Journal of Medical Sciences</i> , 2017, 33, 1279-1283.	0.6	16
40	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
41	Evaluation of Diabetes Conversation Map, Education Tools for Diabetes Self-Management Education. <i>Diabetes Spectrum</i> , 2015, 28, 230-235.	1.0	15
42	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
43	Implementation and Analyses of Yaw Based Coordinated Control of Wind Farms. <i>Energies</i> , 2019, 12, 1266.	3.1	15
44	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
45	Microbiological pattern of diabetic foot infections at a tertiary care center in a developing country. <i>JPMA the journal of the Pakistan Medical Association</i> , 2017, 67, 665-669.	0.2	15
46	Pakistan and diabetes: A country on the edge. <i>Diabetes Research and Clinical Practice</i> , 2019, 147, 166-168.	2.8	14
47	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
48	Automatic Generation Control in Modern Power Systems with Wind Power and Electric Vehicles. <i>Energies</i> , 2022, 15, 1771.	3.1	14
49	Measured versus calculated LDL-cholesterol in subjects with type 2 diabetes. <i>Pakistan Journal of Medical Sciences</i> , 1969, 32, 955-60.	0.6	13
50	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. <i>International Wound Journal</i> , 2016, 13, 594-599.	2.9	13
51	Electronic, optical and thermoelectric properties of XNMg ₃ (X=P, As, Sb, Bi) compounds. <i>Materials Science in Semiconductor Processing</i> , 2016, 43, 69-74.	4.0	13
52	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
53	Enhancing Capabilities of Double Sided Linear Flux Switching Permanent Magnet Machines. <i>Energies</i> , 2018, 11, 2781.	3.1	11
54	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

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55	Fast Processing Intelligent Wind Farm Controller for Production Maximisation. <i>Energies</i> , 2019, 12, 544.	3.1	11
56	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
57	Flexible Modern Power System: Real-Time Power Balancing through Load and Wind Power. <i>Energies</i> , 2019, 12, 1710.	3.1	11
58	Mutation-Based Antibiotic Resistance Mechanism in Methicillin-Resistant <i>Staphylococcus aureus</i> Clinical Isolates. <i>Pharmaceuticals</i> , 2021, 14, 420.	3.8	11
59	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
60	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
61	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), 2016-2017. <i>Obesity Research and Clinical Practice</i> , 2021, 15, 19-25.	1.8	10
62	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
63	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
64	Health improvement of human hair and their reshaping using recombinant keratin K31. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2018, 20, e00288.	4.4	8
65	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
66	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
67	Isolation, toxinotyping and antimicrobial susceptibility testing of <i>Clostridium perfringens</i> isolated from Pakistan poultry. <i>Anaerobe</i> , 2022, 73, 102499.	2.1	8
68	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
69	Economic Load Dispatch of a Grid-Tied DC Microgrid Using the Interior Search Algorithm. <i>Energies</i> , 2019, 12, 634.	3.1	7
70	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
71	Inorganic Thermoelectric Fibers: A Review of Materials, Fabrication Methods, and Applications. <i>Sensors</i> , 2021, 21, 3437.	3.8	7
72	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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73	Dynamic Thermal Model for Power Transformers. IEEE Access, 2021, 9, 71461-71469.	4.2	6
74	Time-in-range and frequency of continuous glucose monitoring: Recommendations for South Asia. Diabetes and Metabolic Syndrome: Clinical Research and Reviews, 2022, 16, 102345.	3.6	6
75	Retinal Screening Acceptance, Laser Treatment Uptake and Follow-up Response in Diabetics Requiring Laser Therapy in an Urban Diabetes Care Centre. Journal of the College of Physicians and Surgeons–Pakistan: JCPSP, 2015, 25, 743-6.	0.4	6
76	Self-monitoring of blood glucose recommendations. Pakistan Journal of Medical Sciences, 1969, 30, 1150-5.	0.6	5
77	Risk indicators of diabetic retinopathy in patients with type 2 diabetes screened by fundus photographs: a study from Pakistan. International Journal of Diabetes in Developing Countries, 2015, 35, 333-338.	0.8	5
78	Specific features investigation of the AE 2 ZnN 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	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
80	A Novel Power Scheduling Mechanism for Islanded DC Microgrid Cluster. Sustainability, 2020, 12, 6918.	3.2	5
81	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. BMJ Open Diabetes Research and Care, 2020, 8, e001058.	2.8	5
82	Relationship among fatness, blood lipids, and insulin resistance in Pakistani children. Journal of Health, Population and Nutrition, 2005, 23, 34-43.	2.0	5
83	Changing pattern in the risk factors for diabetes in young adults from the rural area of Baluchistan. JPMA the Journal of the Pakistan Medical Association, 2013, 63, 1089-93.	0.2	5
84	Integrating GDM management in public health: Pakistan perspective. JPMA the Journal of the Pakistan Medical Association, 2016, 66, S101-4.	0.2	5
85	Diabetes in Pakistan: addressing the crisis. Lancet Diabetes and Endocrinology, the, 2022, 10, 309-310.	11.4	5
86	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
87	Joint localization and target tracking with a monocular camera. Robotics and Autonomous Systems, 2015, 74, 1-14.	5.1	3
88	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
89	Structural, optoelectronic, and thermoelectric properties of AZn13 (A=Na, K, Ca, Sr, Ba) compounds. International Journal of Modern Physics B, 2016, 30, 1650221.	2.0	3
90	Prevalence of diabetic micro vascular complications at a tertiary care unit of Karachi, Pakistan. International Journal of Diabetes in Developing Countries, 2019, 39, 325-330.	0.8	3

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91	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
92	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
93	Experimental Validations of Hybrid Excited Linear Flux Switching Machine. <i>Energies</i> , 2021, 14, 7274.	3.1	3
94	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
95	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
96	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
97	Genetic characterization of suspected MODY patients in Pakistan by next generation sequencing—a pilot study. <i>International Journal of Diabetes in Developing Countries</i> , 2021, 41, 563-569.	0.8	2
98	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
99	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
100	SGP-C: A Broad Host Range Temperate Bacteriophage; Against <i>Salmonella gallinarum</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 768931.	3.5	2
101	Framingham risk score in impaired glucose tolerant population: A sub analysis of Diabetes Prevention and Awareness Program of Pakistan. <i>Pakistan Journal of Medical Sciences</i> , 2016, 32, 1121-1125.	0.6	1
102	NDSP 09: Risk Assessment of Pakistani Individual for Diabetes (RAPID) – Findings from Second National Diabetes Survey of Pakistan (NDSP) 2016–2017. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2021, Volume 14, 257-263.	2.4	1
103	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
104	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 2016–2017. <i>Metabolic Syndrome and Related Disorders</i> , 2022, 20, 351-359.	1.3	1
105	Differences in various biochemical and clinical parameters with respect to family history of NCDs in fourth year MBBS students of Karachi, Pakistan. <i>Pakistan Journal of Medical Sciences</i> , 1969, 31, 965-9.	0.6	0
106	Predicting the risk of type 2 diabetes through anthropometric indices in Pakistani adults- A sub-analysis of second National diabetes survey of Pakistan 2016–2017 (NDSP-07). <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2021, 15, 543-547.	3.6	0
107	Insulin-associated Weight Gain in Type 2 Diabetes and Its Relation with Caloric Intake. <i>Cureus</i> , 2019, 11, e5275.	0.5	0
108	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

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109	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
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	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
112	Glucagon-like peptide 1 and its association with dipeptidyl peptidase IV in subjects with various degrees of glucose tolerance. Pakistan Journal of Pharmaceutical Sciences, 2020, 33, 2773-2778.	0.2	0
113	Association of IL-6 & IL-1 ^β (pro-inflammatory cytokines) and related biochemical indexes in newly diagnosed diabetics subjected to glucose tolerance test. Pakistan Journal of Pharmaceutical Sciences, 2021, 34, 9-14.	0.2	0
114	Association of fibrinogen and plasminogen activator inhibitor-1 with diabetes mellitus.. Pakistan Journal of Pharmaceutical Sciences, 2022, 35, 165-169.	0.2	0