

# Rasheedunnisa Begum

## List of Publications by Year in descending order

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112  
papers

2,872  
citations

159585

30  
h-index

214800

47  
g-index

116  
all docs

116  
docs citations

116  
times ranked

2739  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vitiligo: interplay between oxidative stress and immune system. <i>Experimental Dermatology</i> , 2013, 22, 245-250.	2.9	202
2	Decreased regulatory T cells and CD4 <sup>+</sup> /CD8 <sup>+</sup> ratio correlate with disease onset and progression in patients with generalized vitiligo. <i>Pigment Cell and Melanoma Research</i> , 2013, 26, 586-591.	3.3	116
3	A Review on Salivary Genomics and Proteomics Biomarkers in Oral Cancer. <i>Indian Journal of Clinical Biochemistry</i> , 2011, 26, 326-334.	1.9	106
4	Sialylation: an Avenue to Target Cancer Cells. <i>Pathology and Oncology Research</i> , 2016, 22, 443-447.	1.9	101
5	Regulatory T cells in vitiligo: Implications for pathogenesis and therapeutics. <i>Autoimmunity Reviews</i> , 2015, 14, 49-56.	5.8	95
6	Increased Tumor Necrosis Factor (TNF)- $\alpha$ and Its Promoter Polymorphisms Correlate with Disease Progression and Higher Susceptibility towards Vitiligo. <i>PLoS ONE</i> , 2012, 7, e52298.	2.5	92
7	The PARP family: insights into functional aspects of poly (ADP-ribose) polymerase in cell growth and survival. <i>Cell Proliferation</i> , 2016, 49, 421-437.	5.3	79
8	Interleukin-4 genetic variants correlate with its transcript and protein levels in patients with vitiligo. <i>British Journal of Dermatology</i> , 2012, 167, 314-323.	1.5	73
9	Study on the Antioxidant Status of Vitiligo Patients of Different Age Groups in Baroda. <i>Pigment Cell &amp; Melanoma Research</i> , 2004, 17, 289-294.	3.6	66
10	Association of Neuropeptide Y (NPY), Interleukin-1B (IL1B) Genetic Variants and Correlation of IL1B Transcript Levels with Vitiligo Susceptibility. <i>PLoS ONE</i> , 2014, 9, e107020.	2.5	64
11	HLA Alleles and Amino-Acid Signatures of the Peptide-Binding Pockets of HLA Molecules in Vitiligo. <i>Journal of Investigative Dermatology</i> , 2012, 132, 124-134.	0.7	61
12	Involvement of Interferon-Gamma Genetic Variants and Intercellular Adhesion Molecule-1 in Onset and Progression of Generalized Vitiligo. <i>Journal of Interferon and Cytokine Research</i> , 2013, 33, 646-659.	1.2	59
13	Role of oxidative stress and autoimmunity in onset and progression of vitiligo. <i>Experimental Dermatology</i> , 2014, 23, 352-353.	2.9	57
14	The baculovirus antiapoptotic p35 gene also functions via an oxidant-dependent pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 4838-4843.	7.1	52
15	Involvement of superoxide dismutase isoenzymes and their genetic variants in progression of and higher susceptibility to vitiligo. <i>Free Radical Biology and Medicine</i> , 2013, 65, 1110-1125.	2.9	48
16	Association of catalase T/C exon 9 and glutathione peroxidase codon 200 polymorphisms in relation to their activities and oxidative stress with vitiligo susceptibility in Gujarat population. <i>Pigment Cell &amp; Melanoma Research</i> , 2007, 20, 405-407.	3.6	46
17	Altered expression of nuclear factor of activated T cells, forkhead box P3, and immune-suppressive genes in regulatory T cells of generalized vitiligo patients. <i>Pigment Cell and Melanoma Research</i> , 2020, 33, 566-578.	3.3	46
18	Vitiligo: Clinical profiles in Vadodara, Gujarat. <i>Indian Journal of Dermatology</i> , 2006, 51, 100.	0.3	44

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19	Association of <i>NLRP1</i> genetic variants and mRNA overexpression with generalized vitiligo and disease activity in a Gujarat population. <i>British Journal of Dermatology</i> , 2013, 169, 1114-1125.	1.5	41
20	Micro RNA profiling reveals differentially expressed micro RNA signatures from the skin of patients with nonsegmental vitiligo. <i>British Journal of Dermatology</i> , 2014, 171, 1263-1267.	1.5	41
21	Antioxidants prevent UV-induced apoptosis by inhibiting mitochondrial cytochrome c release and caspase activation in <i>Spodoptera frugiperda</i> (Sf9) cells. <i>Cell Biology International</i> , 2003, 27, 483-490.	3.0	39
22	miRNA signatures and transcriptional regulation of their target genes in vitiligo. <i>Journal of Dermatological Science</i> , 2016, 84, 50-58.	1.9	39
23	Cytotoxic T-Lymphocyte-associated antigen 4 (CTLA4) in isolated vitiligo: a genotype-phenotype correlation. <i>Pigment Cell and Melanoma Research</i> , 2011, 24, 737-740.	3.3	37
24	Evaluation of serum and salivary total sialic acid and $\alpha$ -L-fucosidase in patients with oral precancerous conditions and oral cancer. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2013, 115, 764-771.	0.4	37
25	Decreased suppression of CD8 <sup>+</sup> and CD4 <sup>+</sup> T cells by peripheral regulatory T cells in generalized vitiligo due to reduced NFATC1 and FOXP3 proteins. <i>Experimental Dermatology</i> , 2020, 29, 759-775.	2.9	35
26	The <i>ACE</i> gene I $\Delta$ S polymorphism is not associated with generalized vitiligo susceptibility in Gujarat population. <i>Pigment Cell and Melanoma Research</i> , 2008, 21, 407-408.	3.3	34
27	Association of melatonin & MTNR1B variants with type 2 diabetes in Gujarat population. <i>Biomedicine and Pharmacotherapy</i> , 2018, 103, 429-434.	5.6	34
28	Association of Generalized Vitiligo with MHC Class II Loci in Patients from the Indian Subcontinent. <i>Journal of Investigative Dermatology</i> , 2013, 133, 1369-1372.	0.7	32
29	Tumor Necrosis Factor B (TNFB) Genetic Variants and Its Increased Expression Are Associated with Vitiligo Susceptibility. <i>PLoS ONE</i> , 2013, 8, e81736.	2.5	32
30	Biochemical basis of the high resistance to oxidative stress in <i>Dictyostelium discoideum</i> . <i>Journal of Biosciences</i> , 2003, 28, 581-588.	1.1	31
31	Association of PTPN22 1858C/T polymorphism with vitiligo susceptibility in Gujarat population. <i>Journal of Dermatological Science</i> , 2008, 49, 260-262.	1.9	31
32	Vitiligo: pathomechanisms and genetic polymorphism of susceptible genes. <i>Indian Journal of Experimental Biology</i> , 2006, 44, 526-39.	0.0	31
33	Association of Cytotoxic T-Lymphocyte Antigen 4 (CTLA4) and Thyroglobulin (TG) Genetic Variants with Autoimmune Hypothyroidism. <i>PLoS ONE</i> , 2016, 11, e0149441.	2.5	30
34	Antioxidant status of segmental and non-segmental vitiligo. <i>Pigment Cell &amp; Melanoma Research</i> , 2006, 19, 179-180.	3.6	29
35	The catalase gene promoter and 5' untranslated region variants lead to altered gene expression and enzyme activity in vitiligo. <i>British Journal of Dermatology</i> , 2017, 177, 1590-1600.	1.5	29
36	Poly ADP-ribose polymerase-1: Beyond transcription and towards differentiation. <i>Seminars in Cell and Developmental Biology</i> , 2017, 63, 167-179.	5.0	29

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37	In vitro cultured <i>Spodoptera frugiperda</i> insect cells: Model for oxidative stress-induced apoptosis. <i>Journal of Biosciences</i> , 1999, 24, 13-19.	1.1	27
38	Effect of oxidative stress and involvement of poly(ADP-ribose) polymerase (PARP) in <i>Dictyostelium discoideum</i> development. <i>FEBS Journal</i> , 2007, 274, 5611-5618.	4.7	27
39	Prevalence of high-risk human papillomavirus type 16 and 18 in oral and cervical cancers in population from Gujarat, West India. <i>Journal of Oral Pathology and Medicine</i> , 2014, 43, 293-297.	2.7	27
40	Association of Neuropeptide-Y (NPY) and Interleukin-1beta (IL1B), Genotype-Phenotype Correlation and Plasma Lipids with Type-II Diabetes. <i>PLoS ONE</i> , 2016, 11, e0164437.	2.5	27
41	Role of PARP-1 in mitochondrial homeostasis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129669.	2.4	27
42	A Concise Review on the Role of Endoplasmic Reticulum Stress in the Development of Autoimmunity in Vitiligo Pathogenesis. <i>Frontiers in Immunology</i> , 2020, 11, 624566.	4.8	27
43	A case-control study on association of proteasome subunit beta 8 (PSMB8) and transporter associated with antigen processing 1 (TAP1) polymorphisms and their transcript levels in vitiligo from Gujarat. <i>PLoS ONE</i> , 2017, 12, e0180958.	2.5	26
44	Tumor Necrosis Factor-alpha affects melanocyte survival and melanin synthesis via multiple pathways in vitiligo. <i>Cytokine</i> , 2021, 140, 155432.	3.2	23
45	Cytokines: the yin and yang of vitiligo pathogenesis. <i>Expert Review of Clinical Immunology</i> , 2019, 15, 177-188.	3.0	22
46	Correlation of increased MYG1 expression and its promoter polymorphism with disease progression and higher susceptibility in vitiligo patients. <i>Journal of Dermatological Science</i> , 2013, 71, 195-202.	1.9	21
47	A genetic analysis identifies a haplotype at adiponectin locus: Association with obesity and type 2 diabetes. <i>Scientific Reports</i> , 2020, 10, 2904.	3.3	21
48	Emerging role of Tissue Resident Memory T cells in vitiligo: From pathogenesis to therapeutics. <i>Autoimmunity Reviews</i> , 2021, 20, 102868.	5.8	21
49	Diabetes mellitus and melatonin: Where are we?. <i>Biochimie</i> , 2022, 202, 2-14.	2.6	21
50	Genetic variants of resistin and its plasma levels: Association with obesity and dyslipidemia related to type 2 diabetes susceptibility. <i>Genomics</i> , 2019, 111, 980-985.	2.9	20
51	Circulatory Omentin-1 levels but not genetic variants influence the pathophysiology of Type 2 diabetes. <i>Cytokine</i> , 2019, 119, 144-151.	3.2	19
52	Antioxidant rich flavonoids from <i>Oreocnide integrifolia</i> enhance glucose uptake and insulin secretion and protects pancreatic $\beta$ -cells from streptozotocin insult. <i>BMC Complementary and Alternative Medicine</i> , 2011, 11, 126.	3.7	18
53	Differential Role of Poly(ADP-ribose) polymerase in <i>D. discoideum</i> growth and development. <i>BMC Developmental Biology</i> , 2011, 11, 14.	2.1	17
54	Suppression of cytokine gene expression and improved therapeutic efficacy of microemulsion-based tacrolimus cream for atopic dermatitis. <i>Drug Delivery and Translational Research</i> , 2012, 2, 129-141.	5.8	17

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55	Involvement of poly(ADP-ribose) polymerase in paraptotic cell death of <i>D. discoideum</i> . Apoptosis: an International Journal on Programmed Cell Death, 2014, 19, 90-101.	4.9	17
56	Genetic variants of tumor necrosis factor- $\alpha$ and its levels: A correlation with dyslipidemia and type 2 diabetes susceptibility. Clinical Nutrition, 2019, 38, 1414-1422.	5.0	17
57	Association of FOXP3 and GAGE10 promoter polymorphisms and decreased FOXP3 expression in regulatory T cells with susceptibility to generalized vitiligo in Gujarat population. Gene, 2021, 768, 145295.	2.2	17
58	Treatment Avenues for Type 2 Diabetes and Current Perspectives on Adipokines. Current Diabetes Reviews, 2018, 14, 201-221.	1.3	17
59	EDTA capped iron oxide nanoparticles magnetic micelles: drug delivery vehicle for treatment of chronic myeloid leukemia and T1 $\alpha$ -T2 dual contrast agent for magnetic resonance imaging. New Journal of Chemistry, 2016, 40, 9507-9519.	2.8	16
60	Genetic variations (Arg5Pro and Leu6Pro) modulate the structure and activity of <i>GPX1</i> and genetic risk for vitiligo. Experimental Dermatology, 2016, 25, 654-657.	2.9	16
61	Association of elevated homocysteine levels and Methylenetetrahydrofolate reductase (MTHFR) 1298 A $\alpha$ -C polymorphism with Vitiligo susceptibility in Gujarat. Journal of Dermatological Science, 2018, 90, 112-122.	1.9	16
62	Investigation of the Role of Interleukin 6 in Vitiligo Pathogenesis. Immunological Investigations, 2022, 51, 120-137.	2.0	16
63	Proteases involved during oxidative stress-induced poly(ADP-ribose) polymerase-mediated cell death in <i>Dictyostelium discoideum</i> . Microbiology (United Kingdom), 2014, 160, 1101-1111.	1.8	15
64	VEGFA isoforms play a vital role in oral cancer progression. Tumor Biology, 2015, 36, 6321-6332.	1.8	15
65	Acetylcholine esterase levels in different clinical types of vitiligo in Baroda, Gujarat. Indian Journal of Dermatology, 2006, 51, 289.	0.3	14
66	Association of interleukin 1 receptor antagonist intron 2 variable number of tandem repeats polymorphism with vitiligo susceptibility in Gujarat population. Indian Journal of Dermatology, Venereology and Leprology, 2018, 84, 285.	0.6	14
67	Association between p53 Gene Variants and Oral Cancer Susceptibility in Population from Gujarat, West India. Asian Pacific Journal of Cancer Prevention, 2013, 14, 1093-1100.	1.2	14
68	Potential role of Apoptosis Inducing Factor in evolutionarily significant eukaryote, <i>Dictyostelium discoideum</i> survival. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 2942-2955.	2.4	13
69	Meta-analysis for association of TNFA-308 (G $\alpha$ -A) SNP with vitiligo susceptibility. Gene, 2022, 809, 146027.	2.2	13
70	Calcium controlled NFATc1 activation enhances suppressive capacity of regulatory T cells isolated from generalized vitiligo patients. Immunology, 2022, 167, 314-327.	4.4	13
71	Lack of genetic association of promoter and structural variants of mannan-binding lectin ( <i>MBL2</i> ) gene with susceptibility to generalized vitiligo. British Journal of Dermatology, 2009, 161, 63-69.	1.5	12
72	Salivary Glyco-sialylation changes monitors oral carcinogenesis. Glycoconjugate Journal, 2014, 31, 649-659.	2.7	11

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73	Response of <i>Dictyostelium discoideum</i> to UV and involvement of poly (ADP-ribose) polymerase. <i>Cell Proliferation</i> , 2015, 48, 363-374.	5.3	11
74	Programmed cell death and its clinical implications. <i>Indian Journal of Experimental Biology</i> , 2002, 40, 513-24.	0.0	10
75	Poly (ADP-ribose) polymerase1 regulates growth and multicellularity in <i>D. discoideum</i> . <i>Differentiation</i> , 2016, 92, 10-23.	1.9	9
76	Î2-cell replenishment: Possible curative approaches for diabetes mellitus. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2020, 30, 1870-1881.	2.6	9
77	Calorie restriction potentiates the therapeutic potential of GABA in managing type 2 diabetes in a mouse model. <i>Life Sciences</i> , 2022, 295, 120382.	4.3	9
78	Insights into the functional aspects of poly(ADP-ribose) polymerase-1 (PARP-1) in mitochondrial homeostasis in <i>Dictyostelium discoideum</i> . <i>Biology of the Cell</i> , 2020, 112, 222-237.	2.0	8
79	A novel therapeutic combination of sitagliptin and melatonin regenerates pancreatic Î2-cells in mouse and human islets. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2022, 1869, 119263.	4.1	8
80	<i>Oreocnide integrifolia</i> Flavonoids Augment Reprogramming for Islet Neogenesis and Î2-Cell Regeneration in Pancreatectomized BALB/c Mice. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012, 2012, 1-13.	1.2	7
81	Signaling interplay between PARP1 and ROS regulates stress-induced cell death and developmental changes in <i>Dictyostelium discoideum</i> . <i>Experimental Cell Research</i> , 2020, 397, 112364.	2.6	7
82	Apoptosis inducing factor: Cellular protective function in <i>Dictyostelium discoideum</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148158.	1.0	7
83	Poly(ADP-ribose) polymerase-1 (PARP-1) regulates developmental morphogenesis and chemotaxis in <i>Dictyostelium discoideum</i> . <i>Biology of the Cell</i> , 2019, 111, 187-197.	2.0	6
84	Association of glucose 6-phosphate dehydrogenase (G6PD) 3'UTR polymorphism with vitiligo and in vitro studies on G6PD inhibition in melanocytes. <i>Journal of Dermatological Science</i> , 2019, 93, 133-135.	1.9	6
85	Crucial role of poly (ADP-ribose) polymerase (PARP-1) in cellular proliferation of <i>Dictyostelium discoideum</i> . <i>Journal of Cellular Physiology</i> , 2019, 234, 7539-7547.	4.1	6
86	Intron specific polymorphic site of vaspin gene along with vaspin circulatory levels can influence pathophysiology of type 2 diabetes. <i>Life Sciences</i> , 2020, 243, 117285.	4.3	6
87	Elevated X-Box Binding Protein1 Splicing and Interleukin-17A Expression Are Associated With Active Generalized Vitiligo in Gujarat Population. <i>Frontiers in Immunology</i> , 2021, 12, 801724.	4.8	6
88	Staurosporine induced poly (ADP-ribose) polymerase independent cell death in <i>Dictyostelium discoideum</i> . <i>Indian Journal of Experimental Biology</i> , 2012, 50, 80-6.	0.0	6
89	Vitiligo – A Complex Autoimmune Skin Depigmenting Disease. , 2015, , .		5
90	Skin miRNA profiling reveals differentially expressed miRNA signatures from non-segmental vitiligo patients. <i>Molecular Cytogenetics</i> , 2014, 7, P118.	0.9	4

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91	Glimpses of Dictyostelid research in India. International Journal of Developmental Biology, 2020, 64, 99-107.	0.6	4
92	143-LB: Calorie Restriction in Combination with GABA Ameliorates Type 2 Diabetes. Diabetes, 2019, 68, .	0.6	4
93	Dose Reduction of a Potent Topical Corticosteroid with Microemulsion Based Cream. Journal of Nanopharmaceutics and Drug Delivery, 2013, 1, 52-63.	0.3	4
94	Signaling molecules involved in the transition of growth to development of Dictyostelium discoideum. Indian Journal of Experimental Biology, 2007, 45, 223-36.	0.0	4
95	Insertion-deletion polymorphism of angiotensin converting enzyme and susceptibility to rheumatoid arthritis in South Gujarat population. Gene Reports, 2018, 13, 42-48.	0.8	3
96	Role of TNF $\alpha$ 308 G/A, TNF $\beta$ +252 A/G and IL10 $\alpha$ 592 C/A and $\beta$ 1082 G/A SNPs in pathogenesis of Immune Thrombocytopenia Purpura in population of Gujarat, India. Gene Reports, 2018, 12, 304-309.	0.8	3
97	112-LB: Melatonin and DPP-IV Inhibitor: A Novel Combinatorial Approach for $\beta$ -Cell Regeneration. Diabetes, 2019, 68, 112-LB.	0.6	3
98	Antibacterial Activity of Marine Bacterial Pigments Obtained from Arabian Sea Water Samples. Journal of Pure and Applied Microbiology, 2020, 14, 517-526.	0.9	3
99	Effect of homeopathic drugs plumbum and opium on experimentally induced lead toxicity in rats. Indian Journal of Experimental Biology, 1994, 32, 192-5.	0.0	3
100	Glycoprotein electrophoretic patterns have potential to monitor changes associated with neoplastic transformation in oral cancer. International Journal of Biological Markers, 2012, 27, 247-256.	1.8	2
101	Methylenetetrahydrofolate reductase (MTHFR): could it be a small piece in vitiligo jigsaw puzzle?. British Journal of Dermatology, 2014, 170, 1009-1010.	1.5	2
102	Identification and characterization of Poly(ADP-ribose) polymerase-1 interacting proteins during development of Dictyostelium discoideum. Protein Expression and Purification, 2021, 186, 105923.	1.3	2
103	In vitro effect of immune regulatory cytokines on vitiligo pathogenesis. BMC Genomics, 2014, 15, P39.	2.8	1
104	EDTA-Capped Iron Oxide Core-Corona System as Vehicle for Gene Delivery to Transform E.coli : Mimicking the Lipid Bilayer Environment. ChemistrySelect, 2019, 4, 7883-7890.	1.5	1
105	A Haplotype at Adiponectin Locus: Relevance with Obesity and Type 2 Diabetes. SSRN Electronic Journal, 0, , .	0.4	1
106	Expression analysis of candidate genes in vitiligo patients & effect of oxidative stress on melanocytes. Gene Reports, 2021, 25, 101389.	0.8	1
107	Suppression of oxidative-stress induced melanocyte death: Role of poly(ADP-ribose) polymerase in vitiligo pathogenesis. Indian Journal of Dermatology, Venereology and Leprology, 2022, 88, 413-415.	0.6	1
108	Altered Levels of Negative Costimulatory Molecule V-Set Domain-Containing T-Cell Activation Inhibitor-1 (VTCN1) and Metalloprotease Nardilysin (NRD1) are Associated with Generalized Active Vitiligo. Immunological Investigations, 0, , 1-18.	2.0	1

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109	Poly (ADP-ribose) polymerase in growth, death, multicellularity. <i>Seminars in Cell and Developmental Biology</i> , 2017, 63, 79-80.	5.0	0
110	Revisiting aryl amidine synthesis using metal amide and/or ammonia gas: Novel molecules and their biological evaluation. <i>Synthetic Communications</i> , 2017, 47, 1400-1408.	2.1	0
111	Phosphodiesterase 8B Polymorphism rs4704397 Is Associated with Infertility in Subclinical Hypothyroid Females: A Case-Control Study. <i>International Journal of Fertility &amp; Sterility</i> , 2020, 14, 122-128.	0.2	0
112	The Immunogenetics of Vitiligo: An Approach Toward Revealing the Secret of Depigmentation. <i>Advances in Experimental Medicine and Biology</i> , 2022, 1367, 61-103.	1.6	0