Shoumo Bhattacharya

List of Publications by Year
in descending order

125	10,974	47006 47	32842 100
papers	citations	h-index	g-index

134	134	134	17304
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The UK10K project identifies rare variants in health and disease. Nature, 2015, 526, 82-90.	27.8	1,014
2	An essential role for p300/CBP in the cellular response to hypoxia. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 12969-12973.	7.1	711
3	Cyclin E Ablation in the Mouse. Cell, 2003, 114, 431-443.	28.9	649
4	Hypoxia-inducible Factor (HIF) Asparagine Hydroxylase Is Identical to Factor Inhibiting HIF (FIH) and Is Related to the Cupin Structural Family. Journal of Biological Chemistry, 2002, 277, 26351-26355.	3.4	624
5	Mouse Development and Cell Proliferation in the Absence of D-Cyclins. Cell, 2004, 118, 477-491.	28.9	590
6	Cooperation of Stat2 and p300/CBP in signalling induced by interferon-Î±. Nature, 1996, 383, 344-347.	27.8	466
7	Distinct genetic architectures for syndromic and nonsyndromic congenital heart defects identified by exome sequencing. Nature Genetics, 2016, 48, 1060-1065.	21.4	351
8	Functional role of p35srj, a novel p300/CBP binding protein, during transactivation by HIF-1. Genes and Development, 1999, 13, 64-75.	5.9	349
9	Cardiac malformations, adrenal agenesis, neural crest defects and exencephaly in mice lacking Cited2, a new Tfap2 co-activator. Nature Genetics, 2001, 29, 469-474.	21.4	290
10	Contribution of Global Rare Copy-Number Variants to the Risk of Sporadic Congenital Heart Disease. American Journal of Human Genetics, 2012, 91, 489-501.	6.2	272
11	Abetalipoproteinemia is caused by defects of the gene encoding the 97 kDa subunit of a microsomal triglyceride transfer protein. Human Molecular Genetics, 1993, 2, 2109-2116.	2.9	243
12	Sox2 cooperates with Chd7 to regulate genes that are mutated in human syndromes. Nature Genetics, 2011, 43, 607-611.	21.4	230
13	Cited2 controls left-right patterning and heart development through a Nodal-Pitx2c pathway. Nature Genetics, 2004, 36, 1189-1196.	21.4	190
14	Evolutionary origins of apoB mRNA editing: Catalysis by a cytidine deaminase that has acquired a novel RNA-binding motif at its active site. Cell, 1995, 81, 187-195.	28.9	175
15	Lineage-specific Signaling in Melanocytes. Journal of Biological Chemistry, 1998, 273, 17983-17986.	3.4	174
16	Targeted Nextâ€Generation Sequencing Analysis of 1,000 Individuals with Intellectual Disability. Human Mutation, 2015, 36, 1197-1204.	2.5	161
17	Rare Variants in NR2F2 Cause Congenital Heart Defects in Humans. American Journal of Human Genetics, 2014, 94, 574-585.	6.2	146
18	Escherichia coli cytidine deaminase provides a molecular model for ApoB RNA editing and a mechanism for RNA substrate recognition 1 1Edited by A. R. Fersht. Journal of Molecular Biology, 1998, 275, 695-714.	4.2	140

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19	Cardiac malformations and midline skeletal defects in mice lacking filamin A. Human Molecular Genetics, 2006, 15, 2457-2467.	2.9	138
20	Physical and Functional Interactions among AP-2 Transcription Factors, p300/CREB-binding Protein, and CITED2. Journal of Biological Chemistry, 2003, 278, 16021-16029.	3.4	133
21	Glucocorticoid receptor is required for foetal heart maturation. Human Molecular Genetics, 2013, 22, 3269-3282.	2.9	133
22	Identification of cardiac malformations in mice lacking Ptdsrusing a novel high-throughput magnetic resonance imaging technique. BMC Developmental Biology, 2004, 4, 16.	2.1	123
23	Genome-wide association study of multiple congenital heart disease phenotypes identifies a susceptibility locus for atrial septal defect at chromosome 4p16. Nature Genetics, 2013, 45, 822-824.	21.4	123
24	A Mutation in the Mitochondrial Fission Gene Dnm1l Leads to Cardiomyopathy. PLoS Genetics, 2010, 6, e1001000.	3.5	119
25	Whole Exome Sequencing Reveals the Major Genetic Contributors to Nonsyndromic Tetralogy of Fallot. Circulation Research, 2019, 124, 553-563.	4.5	118
26	VACTERL/caudal regression/Currarino syndrome-like malformations in mice with mutation in the proprotein convertasePcsk5. Genes and Development, 2008, 22, 1465-1477.	5.9	110
27	A Comparison of Exogenous Promoter Activity at the ROSA26 Locus Using a PhiC31 Integrase Mediated Cassette Exchange Approach in Mouse ES Cells. PLoS ONE, 2011, 6, e23376.	2.5	102
28	Phenotype-specific effect of chromosome 1q21.1 rearrangements and GJA5 duplications in 2436 congenital heart disease patients and 6760 controls. Human Molecular Genetics, 2012, 21, 1513-1520.	2.9	101
29	A protocol for high-throughput phenotyping, suitable for quantitative trait analysis in mice. Mammalian Genome, 2006, 17, 129-146.	2.2	99
30	Cited2 Is an Essential Regulator of Adult Hematopoietic Stem Cells. Cell Stem Cell, 2009, 5, 659-665.	11.1	97
31	Human CREB-binding Protein/p300-interacting Transactivator with ED-rich Tail (CITED) 4, a New Member of the CITED Family, Functions as a Co-activator for Transcription Factor AP-2. Journal of Biological Chemistry, 2002, 277, 8559-8565.	3.4	92
32	Functional analysis of AEBP2, a PRC2 Polycomb protein, reveals a Trithorax phenotype in embryonic development and in ES cells. Development (Cambridge), 2016, 143, 2716-23.	2.5	84
33	Genome-wide association study identifies loci on 12q24 and 13q32 associated with Tetralogy of Fallot. Human Molecular Genetics, 2013, 22, 1473-1481.	2.9	82
34	Transcriptional Coactivator Cited2 Induces Bmi1 and Mel18 and Controls Fibroblast Proliferation via Ink4a/ARF. Molecular and Cellular Biology, 2003, 23, 7658-7666.	2.3	80
35	Biowire Model of Interstitial and Focal Cardiac Fibrosis. ACS Central Science, 2019, 5, 1146-1158.	11.3	78
36	Genetic Mechanisms Controlling Cardiovascular Development. Annals of the New York Academy of Sciences, 2008, 1123, 10-19.	3.8	75

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37	Pioneering function of Isl1 in the epigenetic control of cardiomyocyte cell fate. Cell Research, 2019, 29, 486-501.	12.0	72
38	Rapid identification and 3D reconstruction of complex cardiac malformations in transgenic mouse embryos using fast gradient echo sequence magnetic resonance imaging. Journal of Molecular and Cellular Cardiology, 2003, 35, 217-222.	1.9	66
39	Deciphering the Mechanisms of Developmental Disorders (DMDD): a new programme for phenotyping embryonic lethal mice. DMM Disease Models and Mechanisms, 2013, 6, 562-6.	2.4	65
40	Bloomsbury report on mouse embryo phenotyping: recommendations from the IMPC workshop on embryonic lethal screening. DMM Disease Models and Mechanisms, 2013, 6, 571-9.	2.4	63
41	CITED4 Inhibits Hypoxia-Activated Transcription in Cancer Cells, and Its Cytoplasmic Location in Breast Cancer Is Associated with Elevated Expression of Tumor Cell Hypoxia-Inducible Factor 1Î±. Cancer Research, 2004, 64, 6075-6081.	0.9	60
42	Pitx2 confers left morphological, molecular, and functional identity to the sinus venosus myocardium. Cardiovascular Research, 2012, 93, 291-301.	3.8	59
43	Hes1 expression is reduced in Tbx1 null cells and is required for the development of structures affected in 22q11 deletion syndrome. Developmental Biology, 2010, 340, 369-380.	2.0	57
44	Site Specific Mutation of the Zic2 Locus by Microinjection of TALEN mRNA in Mouse CD1, C3H and C57BL/6J Oocytes. PLoS ONE, 2013, 8, e60216.	2.5	55
45	Paracrine signalling by cardiac calcitonin controls atrial fibrogenesis and arrhythmia. Nature, 2020, 587, 460-465.	27.8	55
46	NKX2-5 mutations causative for congenital heart disease retain functionality and are directed to hundreds of targets. ELife, 2015, 4, .	6.0	54
47	Furin Is the Major Processing Enzyme of the Cardiac-specific Growth Factor Bone Morphogenetic Protein 10. Journal of Biological Chemistry, 2011, 286, 22785-22794.	3.4	52
48	Molecular Cloning and Chromosomal Localization of the Human CITED2 Gene Encoding p35srj/Mrg1. Genomics, 1999, 61, 307-313.	2.9	51
49	JAK2 Is Required for Induction of the Murine DUB-1 Gene. Molecular and Cellular Biology, 1997, 17, 3364-3372.	2.3	48
50	High-resolution, high-throughput magnetic resonance imaging of mouse embryonic anatomy using a fast gradient-echo sequence. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2003, 16, 43-51.	2.0	47
51	High-resolution imaging of normal anatomy, and neural and adrenal malformations in mouse embryos using magnetic resonance microscopy. Journal of Anatomy, 2003, 202, 239-247.	1.5	47
52	Cytosine nucleoside/nucleotide deaminases and apolipoprotein B mRNA editing. Trends in Biochemical Sciences, 1994, 19, 105-106.	7.5	46
53	Pinch1 Is Required for Normal Development of Cranial and Cardiac Neural Crest-Derived Structures. Circulation Research, 2007, 100, 527-535.	4.5	46
54	Mouse embryonic phenotyping by morphometric analysis of MR images. Physiological Genomics, 2010, 42A, 89-95.	2.3	46

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55	ÂµMRIâ€“HREM pipeline for highâ€throughput, highâ€resolution phenotyping of murine embryos. Journal of Anatomy, 2007, 211, 132-137.	1.5	45
56	Role of the Transcription Factor Sox4 in Insulin Secretion and Impaired Glucose Tolerance. Diabetes, 2008, 57, 2234-2244.	0.6	45
57	Loss of Endothelial Furin Leads to Cardiac Malformation and Early Postnatal Death. Molecular and Cellular Biology, 2012, 32, 3382-3391.	2.3	43
58	Cloning of Mouse cited4, a Member of the CITED Family p300/CBP-Binding Transcriptional Coactivators: Induced Expression in Mammary Epithelial Cells. Genomics, 2002, 80, 601-613.	2.9	41
59	Making the mouse embryo transparent: Identifying developmental malformations using magnetic resonance imaging. Birth Defects Research Part C: Embryo Today Reviews, 2004, 72, 241-249.	3.6	41
60	Exome sequencing identifies rare variants in multiple genes in atrioventricular septal defect. Genetics in Medicine, 2016, 18, 189-198.	2.4	39
61	Nprl3 is required for normal development of the cardiovascular system. Mammalian Genome, 2012, 23, 404-415.	2.2	38
62	Molecular mechanisms controlling the coupled development of myocardium and coronary vasculature. Clinical Science, 2006, 111, 35-46.	4.3	35
63	Mouse mutagenesis identifies novel roles for leftâ€“right patterning genes in pulmonary, craniofacial, ocular, and limb development. Developmental Dynamics, 2009, 238, 581-594.	1.8	35
64	Maternal high-fat diet interacts with embryonic Cited2 genotype to reduce Pitx2c expression and enhance penetrance of leftâ€“right patterning defects. Human Molecular Genetics, 2010, 19, 3394-3401.	2.9	34
65	A Common Variant in the PTPN11 Gene Contributes to the Risk of Tetralogy of Fallot. Circulation: Cardiovascular Genetics, 2012, 5, 287-292.	5.1	34
66	The apolipoprotein B messenger RNA editing enzyme. Current Opinion in Lipidology, 1994, 5, 87-93.	2.7	33
67	Epiblastic Cited2 deficiency results in cardiac phenotypic heterogeneity and provides a mechanism for haploinsufficiency. Cardiovascular Research, 2008, 79, 448-457.	3.8	33
68	The Retinoid Agonist Tazarotene Promotes Angiogenesis and Wound Healing. Molecular Therapy, 2016, 24, 1745-1759.	8.2	32
69	Association Between C677T Polymorphism of Methylene Tetrahydrofolate Reductase and Congenital Heart Disease. Circulation: Cardiovascular Genetics, 2013, 6, 347-353.	5.1	31
70	A genome-wide association study of congenital cardiovascular left-sided lesions shows association with a locus on chromosome 20. Human Molecular Genetics, 2016, 25, 2331-2341.	2.9	31
71	Low-frequency variation in TP53 has large effects on head circumference and intracranial volume. Nature Communications, 2019, 10, 357.	12.8	30
72	Dissecting the genetic complexity of human 6p deletion syndromes by using a region-specific, phenotype-driven mouse screen. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12477-12482.	7.1	28

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73	A cell-autonomous role of Cited2 in controlling myocardial and coronary vascular development. European Heart Journal, 2013, 34, 2557-2565.	2.2	26
74	HIC2 Is a Novel Dosage-Dependent Regulator of Cardiac Development Located Within the Distal 22q11 Deletion Syndrome Region. Circulation Research, 2014, 115, 23-31.	4.5	26
75	Requirement for integrin-linked kinase in neural crest migration and differentiation and outflow tract morphogenesis. BMC Biology, 2013, 11, 107.	3.8	23
76	Yeast surface display identifies a family of evasins from ticks with novel polyvalent CC chemokine-binding activities. Scientific Reports, 2017, 7, 4267.	3.3	23
77	The influence of therapeutic blocking of Gp IIb/IIIa on platelet Î±â€granular fibrinogen. British Journal of Haematology, 1992, 82, 721-728.	2.5	22
78	A knottin scaffold directs the CXC-chemokineâ€“binding specificity of tick evasins. Journal of Biological Chemistry, 2019, 294, 11199-11212.	3.4	22
79	Structure of the DNAâ€bound Tâ€box domain of human TBX1, a transcription factor associated with the DiGeorge syndrome. Proteins: Structure, Function and Bioinformatics, 2012, 80, 655-660.	2.6	21
80	Evasins: Tick Salivary Proteins that Inhibit Mammalian Chemokines. Trends in Biochemical Sciences, 2020, 45, 108-122.	7.5	21
81	Transcriptional Control of Leftâ€“Right Patterning in Cardiac Development. Pediatric Cardiology, 2010, 31, 371-377.	1.3	20
82	A Pivotal Role for Tryptophan 447 in Enzymatic Coupling of Human Endothelial Nitric Oxide Synthase (eNOS). Journal of Biological Chemistry, 2013, 288, 29836-29845.	3.4	20
83	Mice Carrying a Hypomorphic Evi1 Allele Are Embryonic Viable but Exhibit Severe Congenital Heart Defects. PLoS ONE, 2014, 9, e89397.	2.5	20
84	Torsade de pointes and long QT syndrome following major blood transfusion. Anaesthesia, 1992, 47, 125-127.	3.8	19
85	ExCITED about HIF. Nature Structural and Molecular Biology, 2003, 10, 501-503.	8.2	19
86	Genetic Variation in VEGF Does Not Contribute Significantly to the Risk of Congenital Cardiovascular Malformation. PLoS ONE, 2009, 4, e4978.	2.5	19
87	High-Throughput Analysis of Mouse Embryos by Magnetic Resonance Imaging. Cold Spring Harbor Protocols, 2012, 2012, pdb.prot067538.	0.3	19
88	Functional Significance of SRJ Domain Mutations in CITED2. PLoS ONE, 2012, 7, e46256.	2.5	19
89	The N-terminal domain of a tick evasin is critical for chemokine binding and neutralization and confers specific binding activity to other evasins. Journal of Biological Chemistry, 2018, 293, 6134-6146.	3.4	19
90	Comparative SNR for highâ€throughput mouse embryo MR microscopy. Magnetic Resonance in Medicine, 2010, 63, 1703-1707.	3.0	18

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91	R25C mutation in the NKX2.5 gene in Italian patients affected with non-syndromic and syndromic congenital heart disease. Journal of Cardiovascular Medicine, 2013, 14, 582-586.	1.5	18
92	Hypervariable polymorphism in the APOC3 gene. Nucleic Acids Research, 1991, 19, 4799-4799.	14.5	17
93	Clinical role of indium-111 antimyosin imaging. European Journal of Nuclear Medicine and Molecular Imaging, 1991, 18, 889-895.	2.1	16
94	The Opdc missense mutation of Pax2 has a milder than loss-of-function phenotype. Human Molecular Genetics, 2011, 20, 223-234.	2.9	15
95	111In antimyosin antibody uptake is related to the age of myocardial infarction. American Heart Journal, 1991, 122, 1583-1587.	2.7	14
96	A novel role for transcription factor Lmo4 in thymus development through genetic interaction with Cited2. Developmental Dynamics, 2010, 239, 1988-1994.	1.8	13
97	Tagged Mutagenesis by Efficient Minos-Based Germ Line Transposition. Molecular and Cellular Biology, 2010, 30, 68-77.	2.3	13
98	Bloomsbury report on mouse embryo phenotyping: recommendations from the IMPC workshop on embryonic lethal screening. DMM Disease Models and Mechanisms, 2013, 6, 1049-1049.	2.4	13
99	Negative autoregulation of BMP dependent transcription by SIN3B splicing reveals a role for RBM39. Scientific Reports, 2016, 6, 28210.	3.3	13
100	Genetically engineered two-warhead evasins provide a method to achieve precision targeting of disease-relevant chemokine subsets. Scientific Reports, 2018, 8, 6333.	3.3	13
101	Low-frequency intermediate penetrance variants in the ROCK1 gene predispose to Tetralogy of Fallot. BMC Genetics, 2013, 14, 57.	2.7	12
102	99mTc-antimyosin antibody imaging for the detection of acute myocardial infarction in human beings. American Heart Journal, 1993, 126, 536-542.	2.7	11
103	Analysis of the asymmetrically expressed Ablim1 locus reveals existence of a lateral plate Nodal-independent left sided signal and an early, left-right independent role for nodal flow. BMC Developmental Biology, 2010, 10, 54.	2.1	11
104	Blockade of the human platelet GPIIb/IIIa receptor by a murine monoclonal antibody Fab fragment (7E3): Potent dose-dependent inhibition of platelet function. Cardiovascular Drugs and Therapy, 1995, 9, 665-675.	2.6	10
105	Pcsk5 is required in the early cranio-cardiac mesoderm for heart development. BMC Developmental Biology, 2017, 17, 6.	2.1	10
106	The diagnosis of rheumatic fever â€" evolution of the Jones criteria. International Journal of Cardiology, 1986, 12, 285-294.	1.7	9
107	Biallelic expression of Tbx1 protects the embryo from developmental defects caused by increased receptor tyrosine kinase signaling. Developmental Dynamics, 2012, 241, 1310-1324.	1.8	9
108	Engineered anti-inflammatory peptides inspired by mapping an evasinâ€"chemokine interaction. Journal of Biological Chemistry, 2020, 295, 10926-10939.	3.4	9

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109	Differentiation of patients with rheumatic fever from those with inactive rheumatic heart disease using the artificial subcutaneous nodule test, myocardial reactive antibodies, serum immunoglobulin and serum complement levels. International Journal of Cardiology, 1987, 14, 71-78.	1.7	7
110	VNTR polymorphism in the hepatic lipase gene (LIPC). Nucleic Acids Research, 1991, 19, 5088-5088.	14.5	7
111	Using evasins to target the chemokine network in inflammation. Advances in Protein Chemistry and Structural Biology, 2020, 119, 1-38.	2.3	7
112	Specific binding of 99MTc-antimyosin to necrotic human myocardium: Clinicopathologic correlations. American Heart Journal, 1991, 122, 857-859.	2.7	6
113	A Requirement for Zic2 in the Regulation of Nodal Expression Underlies the Establishment of Left-Sided Identity. Scientific Reports, 2018, 8, 10439.	3.3	6
114	Early Embryonic Expression of AP-2Î± Is Critical for Cardiovascular Development. Journal of Cardiovascular Development and Disease, 2020, 7, 27.	1.6	6
115	Phylogenetic Analysis Indicates That Evasin-Like Proteins of Ixodid Ticks Fall Into Three Distinct Classes. Frontiers in Cellular and Infection Microbiology, 2021, 11, 769542.	3.9	6
116	Characterization of transcription factor AP-2 beta mutations involved in familial isolated patent ductus arteriosus suggests haploinsufficiency. Journal of Surgical Research, 2014, 188, 466-472.	1.6	5
117	Tetrahydrobiopterin modulates ubiquitin conjugation to UBC13/UBE2N and proteasome activity by S-nitrosation. Scientific Reports, 2018, 8, 14310.	3.3	5
118	Semi-Automatic segmentation of multiple mouse embryos in MR images. BMC Bioinformatics, 2011, 12, 237.	2.6	3
119	Transcriptomic Analysis of Inflammatory Cardiomyopathy Identifies Molecular Signatures of Disease and Informs in silico Prediction of a Network-Based Rationale for Therapy. Frontiers in Immunology, 2021, 12, 640837.	4.8	3
120	Quantitative111in antimyosin antibody imaging to predict the age of myocardial infarction. International Journal of Cardiovascular Imaging, 1992, 8, 103-107.	0.6	1
121	Ventricular tachycardia induced by Valsalva's manoeuvre in a patient with hypertrophic cardiomyopathy. International Journal of Cardiology, 1988, 21, 187-189.	1.7	0
122	Doppler Left Ventricular Filling Characteristics in Hypertensive Left Ventricular Hypertrophy. American Journal of Noninvasive Cardiology, 1994, 8, 68-72.	0.1	0
123	Imaging Cardiac Developmental Malformations in the Mouse Embryo. , 2010, , 779-791.		0
124	Câ€...Identification of the major genetic contributors to tetralogy of fallot. , 2019, , .		0
125	Abstract 442: Generation of an Abcg1 Knock Out Mouse on the Reversa Background. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, .	2.4	0