

Himangshu S Bose

List of Publications by Year in descending order

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55
papers

3,211
citations

218677

26
h-index

182427

51
g-index

55
all docs

55
docs citations

55
times ranked

2584
citing authors

#	ARTICLE	IF	CITATIONS
1	The Pathophysiology and Genetics of Congenital Lipoid Adrenal Hyperplasia. <i>New England Journal of Medicine</i> , 1996, 335, 1870-1879.	27.0	603
2	Early steps in steroidogenesis: intracellular cholesterol trafficking. <i>Journal of Lipid Research</i> , 2011, 52, 2111-2135.	4.2	413
3	Rapid regulation of steroidogenesis by mitochondrial protein import. <i>Nature</i> , 2002, 417, 87-91.	27.8	317
4	Peripheral-Type Benzodiazepine Receptor-Mediated Action of Steroidogenic Acute Regulatory Protein on Cholesterol Entry into Leydig Cell Mitochondria. <i>Molecular Endocrinology</i> , 2005, 19, 540-554.	3.7	218
5	Spontaneous Feminization in a 46,XX Female Patient with Congenital Lipoid Adrenal Hyperplasia Due to a Homozygous Frameshift Mutation in the Steroidogenic Acute Regulatory Protein*. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1997, 82, 1511-1515.	3.6	121
6	Mitochondria-associated Endoplasmic Reticulum Membrane (MAM) Regulates Steroidogenic Activity via Steroidogenic Acute Regulatory Protein (StAR)-Voltage-dependent Anion Channel 2 (VDAC2) Interaction. <i>Journal of Biological Chemistry</i> , 2015, 290, 2604-2616.	3.4	119
7	Steroidogenic Activity of StAR Requires Contact with Mitochondrial VDAC1 and Phosphate Carrier Protein. <i>Journal of Biological Chemistry</i> , 2008, 283, 8837-8845.	3.4	117
8	Mutations in the Steroidogenic Acute Regulatory Protein (StAR) in Six Patients with Congenital Lipoid Adrenal Hyperplasia1. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2000, 85, 3636-3639.	3.6	100
9	N-218 MLN64, a Protein with StAR-like Steroidogenic Activity, Is Folded and Cleaved Similarly to StAR. <i>Biochemistry</i> , 2000, 39, 11722-11731.	2.5	94
10	StAR-like Activity and Molten Globule Behavior of StARD6, A Male Germ-Line Protein. <i>Biochemistry</i> , 2008, 47, 2277-2288.	2.5	69
11	Mitochondrial metabolic regulation by GRP78. <i>Science Advances</i> , 2017, 3, e1602038.	10.3	67
12	Incorrect Folding of Steroidogenic Acute Regulatory Protein (StAR) in Congenital Lipoid Adrenal Hyperplasia. <i>Biochemistry</i> , 1998, 37, 9768-9775.	2.5	65
13	Differential Regulation of Steroid Hormone Biosynthesis in R2C and MA-10 Leydig Tumor Cells: Role of SR-B1-Mediated Selective Cholesteryl Ester Transport1. <i>Biology of Reproduction</i> , 2003, 68, 114-121.	2.7	65
14	New ionic derivatives of betulinic acid as highly potent anti-cancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 1734-1738.	2.2	64
15	Œf-1 Receptor at the Mitochondrial-Associated Endoplasmic Reticulum Membrane Is Responsible for Mitochondrial Metabolic Regulation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 343, 578-586.	2.5	63
16	Binding of Steroidogenic Acute Regulatory Protein to Synthetic Membranes Suggests an Active Molten Globule. <i>Journal of Biological Chemistry</i> , 2001, 276, 17044-17051.	3.4	62
17	pH-dependent Interactions of the Carboxyl-terminal Helix of Steroidogenic Acute Regulatory Protein with Synthetic Membranes. <i>Journal of Biological Chemistry</i> , 2005, 280, 2045-2054.	3.4	60
18	Molten Globule Structure and Steroidogenic Activity of N-218 MLN64 in Human Placental Mitochondria. <i>Endocrinology</i> , 2004, 145, 1700-1707.	2.8	58

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19	Transfer of Cholesterol between Phospholipid Vesicles Mediated by the Steroidogenic Acute Regulatory Protein (StAR). <i>Journal of Biological Chemistry</i> , 2002, 277, 47123-47128.	3.4	56
20	THE STEROIDOGENIC ACUTE REGULATORY PROTEIN, StAR, WORKS ONLY AT THE OUTER MITOCHONDRIAL MEMBRANE. <i>Endocrine Research</i> , 2002, 28, 295-308.	1.2	49
21	Evidence That Star and MLN64 act on the Outer Mitochondrial Membrane as Molten Globules. <i>Endocrine Research</i> , 2000, 26, 629-637.	1.2	35
22	Inner Mitochondrial Translocase Tim50 Interacts with 3 β -Hydroxysteroid Dehydrogenase Type 2 to Regulate Adrenal and Gonadal Steroidogenesis. <i>Journal of Biological Chemistry</i> , 2011, 286, 39130-39140.	3.4	35
23	<p>Liraglutide attenuates cardiac remodeling and improves heart function after abdominal aortic constriction through blocking angiotensin II type 1 receptor in rats</p>. <i>Drug Design, Development and Therapy</i> , 2019, Volume 13, 2745-2757.	4.3	33
24	Ionic derivatives of betulinic acid as novel HIV-1 protease inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2012, 27, 715-721.	5.2	32
25	Endoplasmic Reticulum Stress Enhances Mitochondrial Metabolic Activity in Mammalian Adrenals and Gonads. <i>Molecular and Cellular Biology</i> , 2016, 36, 3058-3074.	2.3	32
26	Mitochondrial 3 β -Hydroxysteroid Dehydrogenase Enzyme Activity Requires Reversible pH-dependent Conformational Change at the Intermembrane Space. <i>Journal of Biological Chemistry</i> , 2012, 287, 9534-9546.	3.4	27
27	An Outer Mitochondrial Translocase, Tom22, Is Crucial for Inner Mitochondrial Steroidogenic Regulation in Adrenal and Gonadal Tissues. <i>Molecular and Cellular Biology</i> , 2016, 36, 1032-1047.	2.3	26
28	Cholesterol-Mediated Conformational Changes in the Steroidogenic Acute Regulatory Protein Are Essential for Steroidogenesis. <i>Biochemistry</i> , 2013, 52, 7242-7253.	2.5	25
29	Folding, activity and import of steroidogenic acute regulatory protein into mitochondria changed by nicotine exposure. <i>Journal of Molecular Endocrinology</i> , 2007, 39, 67-79.	2.5	22
30	Electron Transport Chain Complex II Regulates Steroid Metabolism. <i>IScience</i> , 2020, 23, 101295.	4.1	14
31	Lipoid congenital adrenal hyperplasia due to STAR mutations in a Caucasian patient. <i>Endocrinology, Diabetes and Metabolism Case Reports</i> , 2016, 2016, 150119.	0.5	14
32	STARD6 is expressed in steroidogenic cells of the ovary and can enhance <i>de novo</i> steroidogenesis. <i>Experimental Biology and Medicine</i> , 2014, 239, 430-435.	2.4	13
33	Steroidogenic Acute Regulatory Protein Has a More Open Conformation Than the Independently Folded Smaller Subdomains. <i>Biochemistry</i> , 2009, 48, 11630-11639.	2.5	11
34	Lipid-Mediated Unfolding of 3 β -Hydroxysteroid Dehydrogenase 2 Is Essential for Steroidogenic Activity. <i>Biochemistry</i> , 2011, 50, 11015-11024.	2.5	11
35	Regulation of human 3-beta-hydroxysteroid dehydrogenase type-2 (3 β HSD2) by molecular chaperones and the mitochondrial environment affects steroidogenesis. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015, 151, 74-84.	2.5	11
36	Identification of unknown protein complex members by radiolocalization and analysis of low-abundance complexes resolved using native polyacrylamide gel electrophoresis. <i>Electrophoresis</i> , 2008, 29, 753-760.	2.4	9

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37	Hydrophobic Core of the Steroidogenic Acute Regulatory Protein for Cholesterol Transport. <i>Biochemistry</i> , 2009, 48, 1198-1209.	2.5	9
38	Decreased Cytochrome <i>c</i> Oxidase IV Expression Reduces Steroidogenesis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 338, 598-604.	2.5	9
39	Chaperones Rejuvenate Folding and Activity of 3 β -Hydroxysteroid Dehydrogenase 2. <i>ACS Chemical Biology</i> , 2013, 8, 1000-1008.	3.4	7
40	Regulation of Human 3 β -Hydroxysteroid Dehydrogenase Type 2 by Adrenal Corticosteroids and Product-Feedback by Androstenedione in Human Adrenarche. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015, 352, 67-76.	2.5	7
41	Steroidogenic acute regulatory protein/aldosterone synthase mediates angiotensin II-induced cardiac fibrosis and hypertrophy. <i>Molecular Biology Reports</i> , 2020, 47, 1207-1222.	2.3	7
42	A Novel Mitochondrial Complex of Aldosterone Synthase, Steroidogenic Acute Regulatory Protein, and Tom22 Synthesizes Aldosterone in the Rat Heart. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2021, 377, 108-120.	2.5	7
43	Inner Mitochondrial Translocase Tim50 Is Central in Adrenal and Testicular Steroid Synthesis. <i>Molecular and Cellular Biology</i> , 2019, 39, .	2.3	6
44	Novel SCC mutation in a patient of Mexican descent with sex reversal, salt-losing crisis and adrenal failure. <i>Endocrinology, Diabetes and Metabolism Case Reports</i> , 2016, 2016, .	0.5	6
45	Cigarette smoke decreases mitochondrial porin expression and steroidogenesis. <i>Toxicology and Applied Pharmacology</i> , 2008, 227, 284-290.	2.8	5
46	Molecular mechanism of reduction in pregnenolone synthesis by cigarette smoke. <i>Toxicology and Applied Pharmacology</i> , 2008, 229, 56-64.	2.8	5
47	Alteration in Accumulated Aldosterone Synthesis As a Result of N-Terminal Cleavage of Aldosterone Synthase. <i>Molecular Pharmacology</i> , 2012, 81, 465-474.	2.3	4
48	Passenger Protein Determines Translocation Versus Retention in the Endoplasmic Reticulum for Aromatase Expression. <i>Molecular Pharmacology</i> , 2014, 85, 290-300.	2.3	4
49	De novo disruption of promoter and exon 1 of STAR gene reveals essential role for gonadal development. <i>Endocrinology, Diabetes and Metabolism Case Reports</i> , 2017, 2017, .	0.5	2
50	p.Gln318X and p.Val281Leu as the Major Variants of <i>CYP21A2</i> Gene in Children with Idiopathic Premature Pubarche. <i>International Journal of Endocrinology</i> , 2020, 2020, 1-9.	1.5	1
51	Regulation of Estradiol Synthesis by Aromatase Interacting Partner in Breast (AIPB). <i>Molecular and Cellular Biology</i> , 2021, 41, e0035721.	2.3	1
52	Deficient pregnenolone synthesis associated with congenital adrenal hyperplasia and organelle dysfunction. <i>Endocrinology, Diabetes and Metabolism Case Reports</i> , 2019, 2019, .	0.5	1
53	SUN-219 Electron Transport Chain Complex 2 in Mitochondrial Pregnenolone Synthesis. <i>Journal of the Endocrine Society</i> , 2020, 4, .	0.2	0
54	Inner mitochondrial translocase Tim50 is central in steroid metabolism in steroidogenic tissues. <i>FASEB Journal</i> , 2019, 33, 660.3.	0.5	0

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55	SAT-562 Angiotensin II Induces Aldosterone Synthesis in the Rat Heart Stressed by Angiotensin II. Journal of the Endocrine Society, 2020, 4, .	0.2	0