Ilya Bederman

List of Publications by Year
in descending order

34	933	567281 15	501196 28
papers	citations	h-index	g-index

39	39	39	1741
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Inhibition of SC4MOL and HSD17B7 shifts cellular sterol composition and promotes oligodendrocyte formation. RSC Chemical Biology, 2022, 3, 56-68.	4.1	7
2	Safety, efficacy, and tolerability of memantine for cognitive and adaptive outcome measures in adolescents and young adults with Down syndrome: a randomised, double-blind, placebo-controlled phase 2 trial. Lancet Neurology, The, 2022, 21, 31-41.	10.2	13
3	Intracellular vesicle entrapment of nanobubble ultrasound contrast agents targeted to PSMA promotes prolonged enhancement and stability in vivo and in vitro. Nanotheranostics, 2022, 6, 270-285.	5.2	10
4	A Synthetic Small RNA Homologous to the D-Loop Transcript of mtDNA Enhances Mitochondrial Bioenergetics. Frontiers in Physiology, 2022, 13, 772313.	2.8	3
5	Studies of ApoDâ^'/â^' and ApoDâ^'/â^'ApoEâ^'/â^' mice uncover the APOD significance for retinal metabolism, function, and status of chorioretinal blood vessels. Cellular and Molecular Life Sciences, 2021, 78, 963-983.	5.4	13
6	Modulation of lanosterol synthase drives 24,25-epoxysterol synthesis and oligodendrocyte formation. Cell Chemical Biology, 2021, 28, 866-875.e5.	5.2	16
7	Brain Acetyl-CoA Production and Phosphorylation of Cytoskeletal Proteins Are Targets of CYP46A1 Activity Modulation and Altered Sterol Flux. Neurotherapeutics, 2021, 18, 2040-2060.	4.4	9
8	Novel DYRK1A Inhibitor Rescues Learning and Memory Deficits in a Mouse Model of Down Syndrome. Pharmaceuticals, 2021, 14, 1170.	3.8	6
9	Triheptanoin alters [U-¹³C₆]-glucose incorporation into glycolytic intermediates and increases TCA cycling by normalizing the activities of pyruvate dehydrogenase and oxoglutarate dehydrogenase in a chronic epilepsy mouse model. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 678-691.	4.3	16
10	Deficiency in Acylâ€CoA:Wax Alcohol Acyltransferase 2 causes evaporative dry eye disease by abolishing biosynthesis of wax esters. FASEB Journal, 2020, 34, 13792-13808.	0.5	18
11	Discovery of a Redox Thiol Switch: Implications for Cellular Energy Metabolism. Molecular and Cellular Proteomics, 2020, 19, 852-870.	3.8	28
12	Theoretical and Experimental Gas Volume Quantification of Micro- and Nanobubble Ultrasound Contrast Agents. Pharmaceutics, 2020, 12, 208.	4.5	27
13	Regulation of Intestinal Inflammation by Dietary Fats. Frontiers in Immunology, 2020, 11, 604989.	4.8	36
14	Effect of Bubble Concentration on the in Vitro and in Vivo Performance of Highly Stable Lipid Shell-Stabilized Micro- and Nanoscale Ultrasound Contrast Agents. Langmuir, 2019, 35, 10192-10202.	3.5	48
15	Diverse Chemical Scaffolds Enhance Oligodendrocyte Formation by Inhibiting CYP51, TM7SF2, or EBP. Cell Chemical Biology, 2019, 26, 593-599.e4.	5.2	24
16	Delaying latency to hyperbaric oxygenâ€induced<scp>CNS</scp>oxygen toxicity seizures by combinations of exogenous ketone supplements. Physiological Reports, 2019, 7, e13961.	1.7	17
17	Pharmacokinetic study of Sudaxine in dog plasma using novel LCâ€“MS/MS method. Drug Testing and Analysis, 2019, 11, 403-410.	2.6	8
18	Dynamic repression by BCL6 controls the genome-wide liver response to fasting and steatosis. ELife, 2019, 8, .	6.0	44

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19	S-Nitrosoglutathione formation at gastric pH is augmented by ascorbic acid and by the antioxidant vitamin complex, Resiston. Pharmaceutical Biology, 2018, 56, 86-93.	2.9	9
20	Small adipose stores in cystic fibrosis mice are characterized by reduced cell volume, not cell number. American Journal of Physiology - Renal Physiology, 2018, 315, G943-G953.	3.4	5
21	Accumulation of 8,9-unsaturated sterols drives oligodendrocyte formation and remyelination. Nature, 2018, 560, 372-376.	27.8	170
22	Growth deficits in cystic fibrosis mice begin in utero prior to IGF-1 reduction. PLoS ONE, 2017, 12, e0175467.	2.5	15
23	Chronic hindlimb suspension unloading markedly decreases turnover rates of skeletal and cardiac muscle proteins and adipose tissue triglycerides. Journal of Applied Physiology, 2015, 119, 16-26.	2.5	28
24	Quantitative H2S-mediated protein sulfhydration reveals metabolic reprogramming during the integrated stress response. ELife, 2015, 4, e10067.	6.0	154
25	Time course of hepatic gluconeogenesis during hindlimb suspension unloading. Experimental Physiology, 2013, 98, 278-289.	2.0	10
26	ADEMA: An Algorithm to Determine Expected Metabolite Level Alterations Using Mutual Information. PLoS Computational Biology, 2013, 9, e1002859.	3.2	18
27	Altered de novo lipogenesis contributes to low adipose stores in cystic fibrosis mice. American Journal of Physiology - Renal Physiology, 2012, 303, G507-G518.	3.4	13
28	Regulatory role of Î²-arrestin-2 in cholesterol processing in cystic fibrosis epithelial cells. Journal of Lipid Research, 2012, 53, 1268-1276.	4.2	19
29	A NEW METABOLOMICS ANALYSIS TECHNIQUE: STEADY-STATE METABOLIC NETWORK DYNAMICS ANALYSIS. Journal of Bioinformatics and Computational Biology, 2012, 10, 1240003.	0.8	9
30	Cholestenoic Acid Is an Important Elimination Product of Cholesterol in the Retina: Comparison of Retinal Cholesterol Metabolism with That in the Brain. , 2011, 52, 594.		84
31	Conversion of 7-ketocholesterol to oxysterol metabolites by recombinant CYP27A1 and retinal pigment epithelial cells. Journal of Lipid Research, 2011, 52, 1117-1127.	4.2	38
32	Function of phosphoenolpyruvate carboxykinase in mammary gland epithelial cells. Journal of Lipid Research, 2011, 52, 1352-1362.	4.2	14
33	Effects Of Loading And Unloading On Physical Performance And Cardiovascular Function In Rats. Medicine and Science in Sports and Exercise, 2009, 41, 203.	0.4	0
34	Effects of unloading (HS) and loading (exercise training) on overall work capacity in rats.. FASEB Journal, 2008, 22, 121-121.	0.5	0