Alexander R Moise

List of Publications by Year
in descending order

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54 papers	2,893 citations	186209 28 h-index	243529 44 g-index
55 all docs	55 docs citations	55 times ranked	3160 citing authors

#	Article	IF	Citations
1	Diseases Caused by Defects in the Visual Cycle: Retinoids as Potential Therapeutic Agents. Annual Review of Pharmacology and Toxicology, 2007, 47, 469-512.	4.2	365
2	Lecithin-retinol Acyltransferase Is Essential for Accumulation of All-trans-Retinyl Esters in the Eye and in the Liver. Journal of Biological Chemistry, 2004, 279, 10422-10432.	1.6	321
3	Mechanistic Aspects of Carotenoid Biosynthesis. Chemical Reviews, 2014, 114, 164-193.	23.0	243
4	ISX is a retinoic acidâ€sensitive gatekeeper that controls intestinal Î²,Î²â€carotene absorption and vitamin A production. FASEB Journal, 2010, 24, 1656-1666.	0.2	205
5	Related enzymes solve evolutionarily recurrent problems in the metabolism of carotenoids. Trends in Plant Science, 2005, 10, 178-186.	4.3	145
6	Hippo Signaling Plays an Essential Role in Cell State Transitions during Cardiac Fibroblast Development. Developmental Cell, 2018, 45, 153-169.e6.	3.1	144
7	Positively charged retinoids are potent and selective inhibitors of the trans-cis isomerization in the retinoid (visual) cycle. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 8162-8167.	3.3	121
8	Pharmacological and rAAV Gene Therapy Rescue of Visual Functions in a Blind Mouse Model of Leber Congenital Amaurosis. PLoS Medicine, 2005, 2, e333.	3.9	120
9	The retinaldehyde reductase DHRS3 is essential for preventing the formation of excess retinoic acid during embryonic development. FASEB Journal, 2013, 27, 4877-4889.	0.2	98
10	Identification of All-trans-Retinol:All-trans-13,14-dihydroretinol Saturase. Journal of Biological Chemistry, 2004, 279, 50230-50242.	1.6	89
11	Delivery of Retinoid-Based Therapies To Target Tissues. Biochemistry, 2007, 46, 4449-4458.	1.2	79
12	Retinoid cycle in the vertebrate retina: experimental approaches and mechanisms of isomerization. Vision Research, 2003, 43, 2959-2981.	0.7	63
13	Signaling through retinoic acid receptors in cardiac development: Doing the right things at the right times. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2015, 1849, 94-111.	0.9	60
14	Topology and Membrane Association of Lecithin: Retinol Acyltransferase. Journal of Biological Chemistry, 2007, 282, 2081-2090.	1.6	53
15	Metabolism and Transactivation Activity of 13,14-Dihydroretinoic Acid. Journal of Biological Chemistry, 2005, 280, 27815-27825.	1.6	51
16	New insights and changing paradigms in the regulation of vitamin A metabolism in development. Wiley Interdisciplinary Reviews: Developmental Biology, 2017, 6, e264.	5.9	46
17	Increased adiposity in the retinol saturaseâ€knockout mouse. FASEB Journal, 2010, 24, 1261-1270.	0.2	45
18	Structure/Function Relationships of Adipose Phospholipase A2 Containing a Cys-His-His Catalytic Triad. Journal of Biological Chemistry, 2012, 287, 35260-35274.	1.6	45

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19	Adenovirus E3-6.7K Maintains Calcium Homeostasis and Prevents Apoptosis and Arachidonic Acid Release. Journal of Virology, 2002, 76, 1578-1587.	1.5	43
20	Identification of a Novel Route of Iron Transcytosis across the Mammalian Bloodâ€“Brain Barrier. Microcirculation, 2003, 10, 457-462.	1.0	41
21	Specificity of Zebrafish Retinol Saturase:â€‰ Formation of All-trans-13,14-dihydroretinol and All-trans-7,8-dihydroretinol. Biochemistry, 2007, 46, 1811-1820.	1.2	40
22	Combining the Antigen Processing Components TAP and Tapasin Elicits Enhanced Tumor-Free Survival. Clinical Cancer Research, 2008, 14, 1494-1501.	3.2	40
23	Activation of Retinoic Acid Receptors by Dihydroretinoids. Molecular Pharmacology, 2009, 76, 1228-1237.	1.0	40
24	Stereospecificity of Retinol Saturase:â€‰ Absolute Configuration, Synthesis, and Biological Evaluation of Dihydroretinoids. Journal of the American Chemical Society, 2008, 130, 1154-1155.	6.6	36
25	Aberrant Metabolites in Mouse Models of Congenital Blinding Diseases:Â Formation and Storage of Retinyl Estersâ€. Biochemistry, 2006, 45, 4210-4219.	1.2	35
26	Alpha-Synuclein Disrupted Dopamine Homeostasis Leads to Dopaminergic Neuron Degeneration in Caenorhabditis elegans. PLoS ONE, 2010, 5, e9312.	1.1	34
27	Alterations in retinoic acid signaling affect the development of the mouse coronary vasculature. Developmental Dynamics, 2018, 247, 976-991.	0.8	33
28	Retinol saturase modulates lipid metabolism and the production of reactive oxygen species. Archives of Biochemistry and Biophysics, 2017, 633, 93-102.	1.4	31
29	Retinoic acid signaling promotes the cytoskeletal rearrangement of embryonic epicardial cells. FASEB Journal, 2018, 32, 3765-3781.	0.2	28
30	Identification of a Novel Route of Iron Transcytosis across the Mammalian Blood-Brain Barrier. Microcirculation, 2003, 10, 457-462.	1.0	26
31	Modulation of retinoid signaling: therapeutic opportunities in organ fibrosis and repair. , 2020, 205, 107415.		23
32	Hyperglycemia and redox status regulate RUNX2 DNA-binding and an angiogenic phenotype in endothelial cells. Microvascular Research, 2015, 97, 55-64.	1.1	19
33	The Adenovirus E3-6.7K Protein Adopts Diverse Membrane Topologies following Posttranslational Translocation. Journal of Virology, 2004, 78, 454-463.	1.5	18
34	Using the TAP Component of the Antigen-Processing Machinery as a Molecular Adjuvant. PLoS Pathogens, 2005, 1, e36.	2.1	18
35	Mechanisms of Feedback Regulation of Vitamin A Metabolism. Nutrients, 2022, 14, 1312.	1.7	18
36	Role of carotenoids and retinoids during heart development. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158636.	1.2	15

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37	Recent insights on the role and regulation of retinoic acid signaling during epicardial development. Genesis, 2019, 57, e23303.	0.8	11
38	A retrospective cohort study evaluating correlates of deep tissue infections among patients enrolled in opioid agonist treatment using administrative data in Ontario, Canada. PLoS ONE, 2020, 15, e0232191.	1.1	10
39	Retinol Saturase Knock-Out Mice are Characterized by Impaired Clearance of Apoptotic Cells and Develop Mild Autoimmunity. Biomolecules, 2019, 9, 737.	1.8	9
40	Multi-omic Analysis of Non-human Primate Heart after Partial-body Radiation with Minimal Bone Marrow Sparing. Health Physics, 2021, 121, 352-371.	0.3	8
41	Identifying vitamin A signaling by visualizing gene and protein activity, and by quantification of vitamin A metabolites. Methods in Enzymology, 2020, 637, 367-418.	0.4	8
42	Identification of a Novel Immunosubversion Mechanism Mediated by a Virologue of the B-Lymphocyte Receptor TACI. Vaccine Journal, 2007, 14, 907-917.	3.2	7
43	Role of cellular retinolâ€binding protein, type 1 and retinoid homeostasis in the adult mouse heart: A multiâ€omic approach. FASEB Journal, 2022, 36, e22242.	0.2	3
44	Regenerating Skeletal Muscle Compensates for the Impaired Macrophage Functions Leading to Normal Muscle Repair in Retinol Saturase Null Mice. Cells, 2022, 11, 1333.	1.8	3
45	Carotenoid modifying enzymes in metazoans. Methods in Enzymology, 2022, , 405-445.	0.4	3
46	Development of the Coronary System: Perspectives for Cell Therapy From Precursor Differentiation. , 2018, , 11-22.		0
47	Characterizing the Metabolism and Physiological Functions of Dihydroretinoids, Charting a Novel Pathway in the Metabolism of Vitamin A. FASEB Journal, 2006, 20, A996.	0.2	0
48	Role of Retinoic Acid Signaling in Epicardialâ€Related Events During Late Heart Development. FASEB Journal, 2018, 32, 518.2.	0.2	0
49	Title is missing!. , 2020, 15, e0232191.		0
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51	Title is missing!. , 2020, 15, e0232191.		0
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