

David A Tulis

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

1,405
citations

394421
19
h-index

330143
37
g-index

54
all docs

54
docs citations

54
times ranked

1845
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Adenovirus-Mediated Heme Oxygenase-1 Gene Delivery Inhibits Injury-Induced Vascular Neointima Formation. <i>Circulation</i> , 2001, 104, 2710-2715. | 1.6 | 164 |
| 2 | Heme oxygenase-1 attenuates vascular remodeling following balloon injury in rat carotid arteries. <i>Atherosclerosis</i> , 2001, 155, 113-122. | 0.8 | 138 |
| 3 | Curcumin Inhibits Platelet-Derived Growth Factor-Induced Stimulated Vascular Smooth Muscle Cell Function and Injury-Induced Neointima Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 85-90. | 2.4 | 128 |
| 4 | Rat Carotid Artery Balloon Injury Model. <i>Methods in Molecular Medicine</i> , 2007, 139, 1-30. | 0.8 | 101 |
| 5 | Steroid Receptor Coactivator-3 Is Required for Inhibition of Neointima Formation by Estrogen. <i>Circulation</i> , 2002, 105, 2653-2659. | 1.6 | 78 |
| 6 | AMP-activated protein kinase inhibits vascular smooth muscle cell proliferation and migration and vascular remodeling following injury. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 304, H369-H381. | 3.2 | 67 |
| 7 | Arginase Promotes Neointima Formation in Rat Injured Carotid Arteries. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 488-494. | 2.4 | 59 |
| 8 | YC-1-Mediated Vascular Protection through Inhibition of Smooth Muscle Cell Proliferation and Platelet Function. <i>Biochemical and Biophysical Research Communications</i> , 2002, 291, 1014-1021. | 2.1 | 55 |
| 9 | Flow-induced arterial remodeling in rat mesenteric vasculature. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998, 274, H874-H882. | 3.2 | 54 |
| 10 | Nitric oxide-generating hydrogels inhibit neointima formation. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2005, 16, 659-672. | 3.5 | 49 |
| 11 | YC-1, a Benzyl Indazole Derivative, Stimulates Vascular cGMP and Inhibits Neointima Formation. <i>Biochemical and Biophysical Research Communications</i> , 2000, 279, 646-652. | 2.1 | 47 |
| 12 | The Soluble Guanylate Cyclase Stimulator BAY 41-2272 Inhibits Vascular Smooth Muscle Growth through the cAMP-Dependent Protein Kinase and cGMP-Dependent Protein Kinase Pathways. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 339, 394-402. | 2.5 | 45 |
| 13 | Bilirubin Inhibits Neointima Formation and Vascular Smooth Muscle Cell Proliferation and Migration. <i>Frontiers in Pharmacology</i> , 2012, 3, 48. | 3.5 | 37 |
| 14 | Adenoviral Gene Transfer of Fortilin Attenuates Neointima Formation Through Suppression of Vascular Smooth Muscle Cell Proliferation and Migration. <i>Circulation</i> , 2003, 107, 98-105. | 1.6 | 31 |
| 15 | Inhibition of vascular smooth muscle growth via signaling crosstalk between AMP-activated protein kinase and cAMP-dependent protein kinase. <i>Frontiers in Physiology</i> , 2012, 3, 409. | 2.8 | 30 |
| 16 | Experimental Rat and Mouse Carotid Artery Surgery: Injury and Remodeling Studies. <i>ISRN Minimally Invasive Surgery</i> , 2013, 2013, 1-10. | 0.3 | 27 |
| 17 | Histological and Morphometric Analyses for Rat Carotid Balloon Injury Model. <i>Methods in Molecular Medicine</i> , 2007, 139, 31-66. | 0.8 | 25 |
| 18 | Control of Vascular Smooth Muscle Cell Growth by Connexin 43. <i>Frontiers in Physiology</i> , 2012, 3, 220. | 2.8 | 23 |

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|----|---|-----|-----------|
| 19 | The Dopamine D3 Receptor Knockout Mouse Mimics Aging-Related Changes in Autonomic Function and Cardiac Fibrosis. PLoS ONE, 2013, 8, e74116. | 2.5 | 23 |
| 20 | Soluble guanylyl cyclase-activated cyclic GMP-dependent protein kinase inhibits arterial smooth muscle cell migration independent of VASP-serine 239 phosphorylation. Cellular Signalling, 2016, 28, 1364-1379. | 3.6 | 20 |
| 21 | Antigrowth Properties of BAY 41-2272 in Vascular Smooth Muscle Cells. Journal of Cardiovascular Pharmacology, 2009, 53, 121-131. | 1.9 | 19 |
| 22 | YC-1 Stimulates the Expression of Gaseous Monoxide-Generating Enzymes in Vascular Smooth Muscle Cells. Molecular Pharmacology, 2009, 75, 208-217. | 2.3 | 18 |
| 23 | Novel Therapies for Cyclic GMP Control of Vascular Smooth Muscle Growth. American Journal of Therapeutics, 2008, 15, 551-564. | 0.9 | 17 |
| 24 | Increased AMP deaminase activity decreases ATP content and slows protein degradation in cultured skeletal muscle. Metabolism: Clinical and Experimental, 2020, 108, 154257. | 3.4 | 17 |
| 25 | Salutary Properties of YC-1 in the Cardiovascular and Hematological Systems. Current Medicinal Chemistry Cardiovascular and Hematological Agents, 2004, 2, 343-359. | 1.7 | 17 |
| 26 | Phosphodiesterases Regulate BAY 41-2272-Induced VASP Phosphorylation in Vascular Smooth Muscle Cells. Frontiers in Pharmacology, 2012, 3, 10. | 3.5 | 16 |
| 27 | AMP-activated protein kinase inhibits transforming growth factor- β -mediated vascular smooth muscle cell growth: implications for a Smad-3-dependent mechanism. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H1251-H1259. | 3.2 | 16 |
| 28 | Medial and Endothelial Platelet-Derived Growth Factor A Chain Expression Is Regulated by in vivo Exposure to Elevated Flow. Journal of Vascular Research, 1998, 35, 413-420. | 1.4 | 14 |
| 29 | Pharmacologic modulators of soluble guanylate cyclase/cyclic guanosine monophosphate in the vascular system - from bench top to bedside. Current Vascular Pharmacology, 2007, 5, 1-14. | 1.7 | 14 |
| 30 | The Cyclic GMP Modulators YC-1 and Zaprinast Reduce Vessel Remodeling Through Antiproliferative and Proapoptotic Effects. Journal of Cardiovascular Pharmacology and Therapeutics, 2009, 14, 116-124. | 2.0 | 9 |
| 31 | The Influence of Maternal Aerobic Exercise, Blood DHA and EPA Concentrations on Maternal Lipid Profiles. International Journal of Environmental Research and Public Health, 2022, 19, 3550. | 2.6 | 9 |
| 32 | Methods for Identifying Cardiovascular Agents: A Review. Recent Patents on Cardiovascular Drug Discovery, 2006, 1, 47-56. | 1.5 | 7 |
| 33 | Endocannabinoid Regulation of Matrix Metalloproteinases: Implications in Ischemic Stroke. Cardiovascular and Hematological Agents in Medicinal Chemistry, 2007, 5, 311-318. | 1.0 | 6 |
| 34 | Cyclic Nucleotide-Directed Protein Kinases in Cardiovascular Inflammation and Growth. Journal of Cardiovascular Development and Disease, 2018, 5, 6. | 1.6 | 6 |
| 35 | Exchange protein activated by cAMP (EPAC) controls migration of vascular smooth muscle cells in concentration- and timedependent manner. Archives of Physiology, 2015, 2, 2. | 0.0 | 5 |
| 36 | Maternal Aerobic Exercise, but Not Blood Docosahexaenoic Acid and Eicosapentaenoic Acid Concentrations, during Pregnancy Influence Infant Body Composition. International Journal of Environmental Research and Public Health, 2022, 19, 8293. | 2.6 | 4 |

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|----|---|-----|-----------|
| 37 | Novel protein kinase targets in vascular smooth muscle therapeutics. Current Opinion in Pharmacology, 2017, 33, 12-16. | 3.5 | 3 |
| 38 | Pharmacologic Modulators of Soluble Guanylate Cyclase/Cyclic Guanosine Monophosphate in the Vascular System - From Bench Top to Bedside. Current Vascular Pharmacology, 2007, 5, 1-14. | 1.7 | 2 |
| 39 | Connexins and intercellular communication in arterial growth and remodeling. Archives of Physiology, 2015, 2, 1. | 0.0 | 2 |
| 40 | Pharmacologic Modulators of Soluble Guanylate Cyclase/Cyclic Guanosine Monophosphate in the Vascular System - From Bench Top to Bedside. Current Vascular Pharmacology, 2007, 5, 1-14. | 1.7 | 2 |
| 41 | Vascular Smooth Muscle as a Therapeutic Target in Disease Pathology. , 2015, , . | | 1 |
| 42 | DINITROBENZENES STIMULATE ELECTRON FLUX WITHIN NEURONAL NITRIC OXIDE SYNTHASE IN THE ABSENCE OF CALMODULIN. International Journal of Biomedical Research, 2011, 2, 499-507. | 0.1 | 0 |
| 43 | Making the cut: Innovative methods for optimizing perfusion-based migration assays. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2017, 91, 270-280. | 1.5 | 0 |
| 44 | YC-1 stimulates heme oxygenase-1 gene expression in vascular smooth muscle cells. FASEB Journal, 2008, 22, 749.3. | 0.5 | 0 |
| 45 | BAY 41-2272 reduces vascular smooth muscle cell growth via PKC & PKA signals. FASEB Journal, 2010, 24, 603.2. | 0.5 | 0 |
| 46 | BAY 41-2272 increases VASP phosphorylation via increases in both cAMP and cGMP in rat primary VSMCs. FASEB Journal, 2011, 25, 1008.4. | 0.5 | 0 |
| 47 | Differential regulation of vascular growth through cGMP/PKC/PKA signaling. FASEB Journal, 2011, 25, 1026.30. | 0.5 | 0 |
| 48 | The dopamine D3 receptor knockout mouse models aging-related changes in hypertension and cardiac fibrosis. FASEB Journal, 2012, 26, 1092.11. | 0.5 | 0 |
| 49 | Inhibition of Vascular Smooth Muscle Growth by the Soluble Guanylyl Cyclase Activator BAY 60-2770. FASEB Journal, 2013, 27, 1139.3. | 0.5 | 0 |
| 50 | Abstract 297: Cyclic GMP Reduces Vascular Smooth Muscle Migration through Inhibition of TGF- β 1/Smad Signaling. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, . | 2.4 | 0 |
| 51 | Protein Kinase G and VASP in the Control of Vascular Smooth Muscle Cell Migration. FASEB Journal, 2015, 29, 804.5. | 0.5 | 0 |
| 52 | Abstract 556: The Soluble Guanylyl Cyclase Activator Bay 60-2770 Inhibits Arterial Smooth Muscle Cell Migration in Protein Kinase G-dependent Manner. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, . | 2.4 | 0 |
| 53 | Abstract 549: Interleukin-6 Trans-Signaling in Acute Myocardial Infarction in Male BALB/c Mice. Circulation Research, 2018, 123, . | 4.5 | 0 |
| 54 | Protease-Activated Receptor-2 Differentially Regulates Vascular Smooth Muscle Cell Proliferation in Cyclic AMP-Dependent Protein Kinase/Phosphoinositide 3-Kinase-Dependent Manner. FASEB Journal, 2022, 36, . | 0.5 | 0 |