# Ian Vj Murray

List of Publications by Year
in descending order



| 43 | 4,809 | 218592 | 254106 |
|---|---|---|---|
| papers | citations | 26 h-index | 43 g-index |

| 43 | 43 | 43 | 6208 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Medical student misconceptions in cardiovascular physiology. American Journal of Physiology - Advances in Physiology Education, 2021, 45, 241-249. | 0.8 | 2 |
| 2 | Using lectures to identify student misconceptions: a study on the paradoxical effects of hyperkalemia on vascular smooth muscle. American Journal of Physiology - Advances in Physiology Education, 2020, 44, 15-20. | 0.8 | 3 |
| 3 | Effect of a small-group, active learning, tutorial-based, in-course enrichment program on student performance in medical physiology. American Journal of Physiology - Advances in Physiology Education, 2019, 43, 339-344. | 0.8 | 6 |
| 4 | Protein misfolding and aggregation in neurodegenerative diseases: a review of pathogeneses, novel detection strategies, and potential therapeutics. Reviews in the Neurosciences, 2019, 30, 339-358. | 1.4 | 84 |
| 5 | Evaluation of Metabolic and Synaptic Dysfunction Hypotheses of Alzheimer's Disease (AD): A Meta-Analysis of CSF Markers. Current Alzheimer Research, 2018, 15, 164-181. | 0.7 | 49 |
| 6 | Amyloid Plaque-Associated Oxidative Degradation of Uniformly Radiolabeled Arachidonic Acid. ACS Chemical Neuroscience, 2016, 7, 367-377. | 1.7 | 22 |
| 7 | Small Molecules and Alzheimerâ€™s Disease: Misfolding, Metabolism and Imaging. Current Alzheimer Research, 2015, 12, 445-461. | 0.7 | 21 |
| 8 | Glycogen and amyloid-beta: key players in the shift from neuronal hyperactivity to hypoactivity observed in Alzheimerâ€²s disease?. Neural Regeneration Research, 2015, 10, 1023. | 1.6 | 17 |
| 9 | Adenosine Triphosphate (ATP) Reduces Amyloid-Î² Protein Misfolding in vitro. Journal of Alzheimer's Disease, 2014, 41, 561-574. | 1.2 | 25 |
| 10 | Islet Amyloid Polypeptide (IAPP): A Second Amyloid in Alzheimer's Disease. Current Alzheimer Research, 2014, 11, 928-940. | 0.7 | 76 |
| 11 | Amyloid Î² peptides modify the expression of antioxidant repair enzymes and a potassium channel in the septohippocampal system. Neurobiology of Aging, 2013, 34, 2071-2076. | 1.5 | 22 |
| 12 | The maize lipoxygenase, Zm<scp>LOX</scp>10, mediates green leaf volatile, jasmonate and herbivoreâ€induced plant volatile production for defense against insect attack. Plant Journal, 2013, 74, 59-73. | 2.8 | 217 |
| 13 | Ruthenium Red Colorimetric and Birefringent Staining of Amyloid-Î² Aggregates in Vitro and in Tg2576 Mice. ACS Chemical Neuroscience, 2013, 4, 379-384. | 1.7 | 13 |
| 14 | Probing and Trapping a Sensitive Conformation: Amyloid-Î² Fibrils, Oligomers, and Dimers. Journal of Alzheimer's Disease, 2012, 32, 197-215. | 1.2 | 23 |
| 15 | Amyloids as Sensors and Protectors (ASAP) Hypothesis. Journal of Alzheimer's Disease, 2012, 29, 503-514. | 1.2 | 5 |
| 16 | Potential role of Î±â€synuclein in neurodegeneration: studies in a rat animal model. Journal of Neurochemistry, 2012, 122, 812-822. | 2.1 | 29 |
| 17 | Amyloid-Î² Metabolite Sensing: Biochemical Linking of Glycation Modification and Misfolding. Journal of Alzheimer's Disease, 2012, 30, 63-73. | 1.2 | 26 |
| 18 | Vascular and metabolic dysfunction in Alzheimer's disease: a review. Experimental Biology and Medicine, 2011, 236, 772-782. | 1.1 | 93 |

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|---|---|---|---|
| 19 | Oxidative Stress and Cell Membranes in the Pathogenesis of Alzheimer's Disease. Physiology, 2011, 26, 54-69. | 1.6 | 123 |
| 20 | Lipid Oxidation and Modification of Amyloid-Î² (AÎ²) in vitro and in vivo. Journal of Alzheimer's Disease, 2010, 22, 593-607. | 1.2 | 18 |
| 21 | Hydralazine Modifies AÎ² Fibril Formation and Prevents Modification by Lipids in Vitro. Biochemistry, 2010, 49, 10371-10380. | 1.2 | 24 |
| 22 | TNFÎ±-dependent hepatic steatosis and liver degeneration caused by mutation of zebrafishs-adenosylhomocysteine hydrolase. Development (Cambridge), 2009, 136, 865-875. | 1.2 | 75 |
| 23 | Promotion of Amyloid Î² Protein Misfolding and Fibrillogenesis by a Lipid Oxidation Product. Journal of Molecular Biology, 2008, 377, 1236-1250. | 2.0 | 72 |
| 24 | Membrane-mediated Amyloidogenesis and the Promotion of Oxidative Lipid Damage by Amyloid Î² Proteins. Journal of Biological Chemistry, 2007, 282, 9335-9345. | 1.6 | 96 |
| 25 | A mechanistic link between oxidative stress and membrane mediated amyloidogenesis revealed by infrared spectroscopy. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 1913-1922. | 1.4 | 31 |
| 26 | Mass spectrometric analysis demonstrates that BODIPY 581/591 C11 overestimates and inhibits oxidative lipid damage. Free Radical Biology and Medicine, 2007, 42, 1392-1397. | 1.3 | 36 |
| 27 | Ornithine lipid is required for optimal steady-state amounts of c-type cytochromes in Rhodobacter capsulatus. Molecular Microbiology, 2006, 61, 418-435. | 1.2 | 39 |
| 28 | Î²-synuclein modulates Î±-synuclein neurotoxicity by reducing Î±-synuclein protein expression. Human Molecular Genetics, 2006, 15, 3002-3011. | 1.4 | 75 |
| 29 | Promotion of Oxidative Lipid Membrane Damage by Amyloid Î² Proteinsâ€. Biochemistry, 2005, 44, 12606-12613. | 1.2 | 107 |
| 30 | Î²-Synuclein gene alterations in dementia with Lewy bodies. Neurology, 2004, 63, 805-811. | 1.5 | 159 |
| 31 | Synphilin in normal human brains and in synucleinopathies: studies with new antibodies. Acta Neuropathologica, 2003, 105, 177-184. | 3.9 | 29 |
| 32 | Role of Î±-Synuclein Carboxy-Terminus on Fibril Formation in Vitroâ€. Biochemistry, 2003, 42, 8530-8540. | 1.2 | 314 |
| 33 | Age-dependent synuclein pathology following traumatic brain injury in mice. Experimental Neurology, 2003, 184, 214-224. | 2.0 | 103 |
| 34 | Early Synergy between AÎ²42 and Oxidatively Damaged Membranes in Promoting Amyloid Fibril Formation by AÎ²40. Journal of Biological Chemistry, 2003, 278, 36277-36284. | 1.6 | 53 |
| 35 | A Hydrophobic Stretch of 12 Amino Acid Residues in the Middle of Î±-Synuclein Is Essential for Filament Assembly. Journal of Biological Chemistry, 2001, 276, 2380-2386. | 1.6 | 865 |
| 36 | Synucleinopathies: a pathological and molecular review. Clinical Neuroscience Research, 2001, 1, 445-455. | 0.8 | 20 |

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|---|---|---|---|
| 37 | Oxidative Damage Linked to Neurodegeneration by Selective alpha -Synuclein Nitration in Synucleinopathy Lesions. Science, 2000, 290, 985-989. | 6.0 | 1,498 |
| 38 | Reduced Body Weight, Adipose Tissue, and Leptin Levels Despite Increased Energy Intake in Female Mice Lacking Acylation-Stimulating Protein<sup>1</sup>. Endocrinology, 2000, 141, 1041-1049. | 1.4 | 112 |
| 39 | Enhanced triglyceride clearance with intraperitoneal human acylation stimulating protein in C57BL/6 mice. American Journal of Physiology - Endocrinology and Metabolism, 1999, 277, E474-E480. | 1.8 | 49 |
| 40 | Acylation Stimulating Protein (ASP) Deficiency Alters Postprandial and Adipose Tissue Metabolism in Male Mice. Journal of Biological Chemistry, 1999, 274, 36219-36225. | 1.6 | 71 |
| 41 | Acylation-stimulating protein (ASP): structureâ€'function determinants of cell surface binding and triacylglycerol synthetic activity. Biochemical Journal, 1999, 342, 41. | 1.7 | 21 |
| 42 | Mice lacking acylation stimulating protein (ASP) have delayed postprandial triglyceride clearance. Journal of Lipid Research, 1999, 40, 1671-6. | 2.0 | 50 |
| 43 | Functional bioactive recombinant acylation stimulating protein is distinct from C3a anaphylatoxin. Journal of Lipid Research, 1997, 38, 2492-501. | 2.0 | 36 |