

Emil Martin

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

2,668
citations

257450

24
h-index

214800

47
g-index

58
all docs

58
docs citations

58
times ranked

3290
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | FoxO4 controls sGC β 2 transcription in vascular smooth muscle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 322, H417-H426. | 3.2 | 1 |
| 2 | ML355 Modulates Platelet Activation and Prevents ABT-737 Induced Apoptosis in Platelets. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2022, 381, 164-175. | 2.5 | 2 |
| 3 | A new paradigm for gaseous ligand selectivity of hemoproteins highlighted by soluble guanylate cyclase. <i>Journal of Inorganic Biochemistry</i> , 2021, 214, 111267. | 3.5 | 12 |
| 4 | Higher susceptibility to heme oxidation and lower protein stability of the rare β 1 sGC variant associated with moyamoya syndrome. <i>Biochemical Pharmacology</i> , 2021, 186, 114459. | 4.4 | 5 |
| 5 | Involvement of 3',5'-cyclic inosine monophosphate in cystathionine β -lyase-dependent regulation of the vascular tone. <i>British Journal of Pharmacology</i> , 2021, 178, 3765-3782. | 5.4 | 12 |
| 6 | Gemfibrozil derivatives as activators of soluble guanylyl cyclase – A structure-activity study. <i>European Journal of Medicinal Chemistry</i> , 2021, 224, 113729. | 5.5 | 3 |
| 7 | Homogeneous single-label cGMP detection platform for the functional study of nitric oxide-sensitive (soluble) guanylyl cyclases and cGMP-specific phosphodiesterases. <i>Scientific Reports</i> , 2020, 10, 17469. | 3.3 | 2 |
| 8 | Role of Heme metabolism in the oxidative state of NO α receptor soluble guanylyl cyclase (sGC) in aging mouse brain. <i>FASEB Journal</i> , 2020, 34, 1-1. | 0.5 | 0 |
| 9 | The Role of Reactive Oxygen and Nitrogen Species in the Expression and Splicing of Nitric Oxide Receptor. <i>Antioxidants and Redox Signaling</i> , 2017, 26, 122-136. | 5.4 | 14 |
| 10 | Cytochrome b5 Reductase 3 Modulates Soluble Guanylate Cyclase Redox State and cGMP Signaling. <i>Circulation Research</i> , 2017, 121, 137-148. | 4.5 | 73 |
| 11 | Stimulation of inducible nitric oxide by hepatitis B virus transactivator protein-HBx requires MTA1 coregulator.. <i>Journal of Biological Chemistry</i> , 2017, 292, 4765. | 3.4 | 1 |
| 12 | Towards NO α free Regulation of sGC: Design and Synthesis of <i>trans</i> -CAB α porphyrins. <i>Israel Journal of Chemistry</i> , 2016, 56, 156-168. | 2.3 | 2 |
| 13 | Regulation of soluble guanylyl cyclase redox state by hydrogen sulfide. <i>Pharmacological Research</i> , 2016, 111, 556-562. | 7.1 | 79 |
| 14 | Erythrocytes do not activate purified and platelet soluble guanylate cyclases even in conditions favourable for NO synthesis. <i>Cell Communication and Signaling</i> , 2016, 14, 16. | 6.5 | 22 |
| 15 | Erythrocytes do not produce biologically active NO. <i>BMC Pharmacology & Toxicology</i> , 2015, 16, . | 2.4 | 0 |
| 16 | The fibrate gemfibrozil is a α -and haem α independent activator of soluble α guanylyl cyclase α : <i>in vitro</i> studies. <i>British Journal of Pharmacology</i> , 2015, 172, 2316-2329. | 5.4 | 24 |
| 17 | Alternative splicing impairs soluble guanylyl cyclase function in aortic aneurysm. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H1565-H1575. | 3.2 | 20 |
| 18 | Small Alterations in Cobinamide Structure Considerably Influence sGC Activation. <i>ChemMedChem</i> , 2014, 9, 2344-2350. | 3.2 | 5 |

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|----|---|-----|-----------|
| 19 | Synthesis and evaluation of bifunctional sGC regulators. <i>BMC Pharmacology & Toxicology</i> , 2013, 14, . | 2.4 | 0 |
| 20 | Synthesis and Evaluation of Bifunctional sGC Regulators: Optimization of a Connecting Linker. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 7260-7277. | 6.4 | 6 |
| 21 | Protoporphyrin IX/Cobyrinate Derived Hybrids – Novel Activators of Soluble Guanylyl Cyclase. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 1530-1537. | 2.4 | 8 |
| 22 | The G-protein regulator LGN modulates the activity of the NO receptor soluble guanylate cyclase. <i>Biochemical Journal</i> , 2012, 446, 445-453. | 3.7 | 16 |
| 23 | Cobinamides Are Novel Coactivators of Nitric Oxide Receptor That Target Soluble Guanylyl Cyclase Catalytic Domain. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 340, 723-732. | 2.5 | 25 |
| 24 | A –Sliding Scale Rule– for Selectivity among NO, CO, and O ₂ by Heme Protein Sensors. <i>Biochemistry</i> , 2012, 51, 172-186. | 2.5 | 91 |
| 25 | Synthesis of New Hydrophilic and Hydrophobic Cobinamides as NO-Independent sGC Activators. <i>ACS Medicinal Chemistry Letters</i> , 2012, 3, 476-479. | 2.8 | 10 |
| 26 | Hydrogen sulfide and nitric oxide are mutually dependent in the regulation of angiogenesis and endothelium-dependent vasorelaxation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9161-9166. | 7.1 | 572 |
| 27 | Vitamin B12 Derivatives as Activators of Soluble Guanylyl Cyclase. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 8943-8947. | 6.4 | 6 |
| 28 | How Do Heme-Protein Sensors Exclude Oxygen? Lessons Learned from Cytochrome c ₂ , Nostoc punctiforme Heme Nitric Oxide/Oxygen-Binding Domain, and Soluble Guanylyl Cyclase. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 1246-1263. | 5.4 | 57 |
| 29 | Hydrogen Peroxide Alters Splicing of Soluble Guanylyl Cyclase and Selectively Modulates Expression of Splicing Regulators in Human Cancer Cells. <i>PLoS ONE</i> , 2012, 7, e41099. | 2.5 | 19 |
| 30 | Mechanism of Binding of NO to Soluble Guanylyl Cyclase: Implication for the Second NO Binding to the Heme Proximal Site. <i>Biochemistry</i> , 2012, 51, 2737-2746. | 2.5 | 69 |
| 31 | RNA splicing in regulation of nitric oxide receptor soluble guanylyl cyclase. <i>Nitric Oxide - Biology and Chemistry</i> , 2011, 25, 265-274. | 2.7 | 17 |
| 32 | G-protein regulator LGN inhibits the activity of soluble guanylyl cyclase. <i>BMC Pharmacology</i> , 2011, 11, . | 0.4 | 0 |
| 33 | Gemfibrozil as a potential heme-independent sGC activator. <i>BMC Pharmacology</i> , 2011, 11, . | 0.4 | 0 |
| 34 | Dynamic Ligand Exchange in Soluble Guanylyl Cyclase (sGC). <i>Journal of Biological Chemistry</i> , 2011, 286, 43182-43192. | 3.4 | 52 |
| 35 | Nitric Oxide Receptor Soluble Guanylyl Cyclase Undergoes Splicing Regulation in Differentiating Human Embryonic Cells. <i>Stem Cells and Development</i> , 2011, 20, 1287-1293. | 2.1 | 14 |
| 36 | Restoring Soluble Guanylyl Cyclase Expression and Function Blocks the Aggressive Course of Glioma. <i>Molecular Pharmacology</i> , 2011, 80, 1076-1084. | 2.3 | 29 |

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|----|--|------|-----------|
| 37 | Ca ^v protein regulator LGN inhibits the activity of nitric oxide receptor soluble guanylyl cyclase. <i>FASEB Journal</i> , 2011, 25, 958.1. | 0.5 | 0 |
| 38 | Hypertension: Basics Concepts and the Evolving Role of Novel Treatments. <i>Current Hypertension Reviews</i> , 2010, 6, 232-237. | 0.9 | 0 |
| 39 | Stimulation of Inducible Nitric Oxide by Hepatitis B Virus Transactivator Protein HBx Requires MTA1 Coregulator. <i>Journal of Biological Chemistry</i> , 2010, 285, 6980-6986. | 3.4 | 41 |
| 40 | Role of soluble guanylyl cyclaseâ€œcyclic GMP signaling in tumor cell proliferation. <i>Nitric Oxide - Biology and Chemistry</i> , 2010, 22, 43-50. | 2.7 | 57 |
| 41 | Kinetic and Cellular Characterization of Novel Inhibitors of S-Nitrosoglutathione Reductase. <i>Journal of Biological Chemistry</i> , 2009, 284, 24354-24362. | 3.4 | 62 |
| 42 | A Short History of cGMP, Guanylyl Cyclases, and cGMP-Dependent Protein Kinases. <i>Handbook of Experimental Pharmacology</i> , 2009, , 1-14. | 1.8 | 72 |
| 43 | Î±1 Soluble Guanylyl Cyclase (sGC) Splice Forms as Potential Regulators of Human sGC Activity. <i>Journal of Biological Chemistry</i> , 2008, 283, 15104-15113. | 3.4 | 44 |
| 44 | Dynamic interplay between nitration and phosphorylation of tubulin cofactor B in the control of microtubule dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 19470-19475. | 7.1 | 28 |
| 45 | New human alpha1 soluble guanylyl cyclase splice variants as potential regulators of sGC activity. <i>BMC Pharmacology</i> , 2007, 7, . | 0.4 | 0 |
| 46 | Ligand Selectivity of Soluble Guanylyl Cyclase. <i>Journal of Biological Chemistry</i> , 2006, 281, 27836-27845. | 3.4 | 83 |
| 47 | Soluble Guanylyl Cyclase: The Nitric Oxide Receptor. <i>Methods in Enzymology</i> , 2005, 396, 478-492. | 1.0 | 71 |
| 48 | Resonance Raman and Infrared Spectroscopic Studies of High-Output Forms of Human Soluble Guanylyl Cyclaseâ€œ. <i>Journal of the American Chemical Society</i> , 2005, 127, 4625-4631. | 13.7 | 41 |
| 49 | CCTÎ±, a Novel Soluble Guanylyl Cyclase-interacting Protein. <i>Journal of Biological Chemistry</i> , 2004, 279, 46946-46953. | 3.4 | 43 |
| 50 | A constitutively activated mutant of human soluble guanylyl cyclase (sGC): Implication for the mechanism of sGC activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 9208-9213. | 7.1 | 63 |
| 51 | Histone H1.2 is a substrate for denitrase, an activity that reduces nitrotyrosine immunoreactivity in proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 5634-5639. | 7.1 | 120 |
| 52 | CCAAT-binding factor regulates expression of the Î±1 subunit of soluble guanylyl cyclase gene in the BE2 human neuroblastoma cell line. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 11523-11528. | 7.1 | 29 |
| 53 | CBF regulates expression of the Î±1 sGC gene in the BE2 human neuroblastoma cells. <i>BMC News and Views</i> , 2003, 3, . | 0.0 | 0 |
| 54 | A constitutively active heme-deficient mutant of human soluble guanylyl cyclase: implication for the mechanism of sGC activation. <i>BMC News and Views</i> , 2003, 3, . | 0.0 | 0 |

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|----|---|-----|-----------|
| 55 | Novel Effects of Nitric Oxide. Annual Review of Pharmacology and Toxicology, 2001, 41, 203-236. | 9.4 | 525 |
| 56 | Histidine-tagged RNA polymerase: dissection of the transcription cycle using immobilized enzyme. Gene, 1993, 130, 9-14. | 2.2 | 117 |