# Sridhar Mani

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9159976/publications.pdf

Version: 2024-02-01

| 98 | 8,625 | 66315 | 46771 |
|---|---|---|---|
| papers | citations | 42 h-index | 89 g-index |

| 106 | 106 | 106 | 11077 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Anticancer immunotherapy by CTLA-4 blockade relies on the gut microbiota. Science, 2015, 350, 1079-1084. | 6.0 | 2,539 |
| 2 | Alleviating Cancer Drug Toxicity by Inhibiting a Bacterial Enzyme. Science, 2010, 330, 831-835. | 6.0 | 800 |
| 3 | Symbiotic Bacterial Metabolites Regulate Gastrointestinal Barrier Function via the Xenobiotic Sensor PXR and Toll-like Receptor 4. Immunity, 2014, 41, 296-310. | 6.6 | 708 |
| 4 | Structure and Inhibition of Microbiome Î²-Glucuronidases Essential to the Alleviation of Cancer Drug Toxicity. Chemistry and Biology, 2015, 22, 1238-1249. | 6.2 | 203 |
| 5 | Protective effect of naringenin against experimental colitis via suppression of Toll-like receptor 4/NF-ÎºB signalling. British Journal of Nutrition, 2013, 110, 599-608. | 1.2 | 185 |
| 6 | Gut microbial Î²-glucuronidases reactivate estrogens as components of the estrobolome that reactivate estrogens. Journal of Biological Chemistry, 2019, 294, 18586-18599. | 1.6 | 157 |
| 7 | Phase I Clinical and Pharmacokinetic Study of BMS-247550, a Novel Derivative of Epothilone B, in Solid Tumors. Clinical Cancer Research, 2004, 10, 1289-1298. | 3.2 | 151 |
| 8 | Human Pregnane X Receptor Antagonists and Agonists Define Molecular Requirements for Different Binding Sites. Molecular Pharmacology, 2007, 72, 592-603. | 1.0 | 143 |
| 9 | Tryptophan Metabolism as a Pharmacological Target. Trends in Pharmacological Sciences, 2021, 42, 60-73. | 4.0 | 135 |
| 10 | Recent advances of highly selective CDK4/6 inhibitors in breast cancer. Journal of Hematology and Oncology, 2017, 10, 97. | 6.9 | 126 |
| 11 | Pregnane X receptor activation induces FGF19-dependent tumor aggressiveness in humans and mice. Journal of Clinical Investigation, 2011, 121, 3220-3232. | 3.9 | 125 |
| 12 | Mangiferin attenuates the symptoms of dextran sulfate sodium-induced colitis in mice via NF-ÎºB and MAPK signaling inactivation. International Immunopharmacology, 2014, 23, 170-178. | 1.7 | 115 |
| 13 | The Phytoestrogen Coumestrol Is a Naturally Occurring Antagonist of the Human Pregnane X Receptor. Molecular Endocrinology, 2008, 22, 838-857. | 3.7 | 107 |
| 14 | Molecular Insights into MicrobialÎ²-Glucuronidase Inhibition to Abrogate CPT-11 Toxicity. Molecular Pharmacology, 2013, 84, 208-217. | 1.0 | 105 |
| 15 | Chrysin Ameliorates Chemically Induced Colitis in the Mouse through Modulation of a PXR/NF-ÎºB Signaling Pathway. Journal of Pharmacology and Experimental Therapeutics, 2013, 345, 473-482. | 1.3 | 101 |
| 16 | Activated Pregnenolone X-Receptor Is a Target for Ketoconazole and Its Analogs. Clinical Cancer Research, 2007, 13, 2488-2495. | 3.2 | 100 |
| 17 | Survivin inhibition induces human neural tumor cell death through caspase-independent and -dependent pathways. Journal of Neurochemistry, 2008, 79, 426-436. | 2.1 | 100 |
| 18 | The gut metabolite indole-3 propionate promotes nerve regeneration and repair. Nature, 2022, 607, 585-592. | 13.7 | 93 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Expanding the Roles for Pregnane X Receptor in Cancer: Proliferation and Drug Resistance in Ovarian Cancer. Clinical Cancer Research, 2008, 14, 5332-5340. | 3.2 | 92 |
| 20 | Post-translational and Post-transcriptional Modifications of Pregnane X Receptor (PXR) in Regulation of the Cytochrome P450 Superfamily. Current Drug Metabolism, 2013, 14, 1059-1069. | 0.7 | 92 |
| 21 | PXR antagonists and implication in drug metabolism. Drug Metabolism Reviews, 2013, 45, 60-72. | 1.5 | 80 |
| 22 | Alleviation of Gut Inflammation by Cdx2/Pxr Pathway in a Mouse Model of Chemical Colitis. PLoS ONE, 2012, 7, e36075. | 1.1 | 78 |
| 23 | Baicalein ameliorates TNBS-induced colitis by suppressing TLR4/MyD88 signaling cascade and NLRP3 inflammasome activation in mice. Scientific Reports, 2017, 7, 16374. | 1.6 | 78 |
| 24 | Gut Microbial Catabolites of Tryptophan Are Ligands and Agonists of the Aryl Hydrocarbon Receptor: A Detailed Characterization. International Journal of Molecular Sciences, 2020, 21, 2614. | 1.8 | 78 |
| 25 | Plant flavonol isorhamnetin attenuates chemically induced inflammatory bowel disease via a PXR-dependent pathway. Journal of Nutritional Biochemistry, 2014, 25, 923-933. | 1.9 | 75 |
| 26 | Cyclin-dependent kinase inhibitors: novel anticancer agents. Expert Opinion on Investigational Drugs, 2000, 9, 1849-1870. | 1.9 | 72 |
| 27 | Metformin suppresses pregnane X receptor (PXR)-regulated transactivation of CYP3A4 gene. Biochemical Pharmacology, 2011, 82, 1771-1780. | 2.0 | 71 |
| 28 | Pregnane xenobiotic receptor in cancer pathogenesis and therapeutic response. Cancer Letters, 2013, 328, 1-9. | 3.2 | 71 |
| 29 | Computational Discovery of Novel Low Micromolar Human Pregnane X Receptor Antagonists. Molecular Pharmacology, 2008, 74, 662-672. | 1.0 | 68 |
| 30 | Post-translational modification of pregnane x receptor. Pharmacological Research, 2011, 64, 4-10. | 3.1 | 68 |
| 31 | Notoginsenoside R1 Attenuates Experimental Inflammatory Bowel Disease via Pregnane X Receptor Activation. Journal of Pharmacology and Experimental Therapeutics, 2015, 352, 315-324. | 1.3 | 68 |
| 32 | The clinical development of new mitotic inhibitors that stabilize the microtubule. Anti-Cancer Drugs, 2004, 15, 553-558. | 0.7 | 67 |
| 33 | Activation of the Steroid and Xenobiotic Receptor (Human Pregnane X Receptor) by Nontaxane Microtubule-Stabilizing Agents. Clinical Cancer Research, 2005, 11, 6359-6369. | 3.2 | 65 |
| 34 | Hepatocellular Shuttling and Recirculation of Sorafenib-Glucuronide Is Dependent on Abcc2, Abcc3, and Oatp1a/1b. Cancer Research, 2015, 75, 2729-2736. | 0.4 | 59 |
| 35 | Elucidating the â€˜Jekyll and Hydeâ€™ Nature of PXR: The Case for Discovering Antagonists or Allosteric Antagonists. Pharmaceutical Research, 2009, 26, 1807-1815. | 1.7 | 58 |
| 36 | Inflammatory Bowel Disease: A Potential Result from the Collusion between Gut Microbiota and Mucosal Immune System. Microorganisms, 2019, 7, 440. | 1.6 | 57 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Pregnane X Receptor Activation Attenuates Inflammation-Associated Intestinal Epithelial Barrier Dysfunction by Inhibiting Cytokine-Induced Myosin Light-Chain Kinase Expression and c-Jun N-Terminal Kinase 1/2 Activation. Journal of Pharmacology and Experimental Therapeutics, 2016, 359, 91-101. | 1.3 | 56 |
| 38 | Acetylation of pregnane X receptor protein determines selective function independent of ligand activation. Biochemical and Biophysical Research Communications, 2011, 406, 371-376. | 1.0 | 54 |
| 39 | Pregnane X Receptor and Cancer: Context-Specificity is Key. Nuclear Receptor Research, 2016, 3, . | 2.5 | 53 |
| 40 | Targeting the pregnane X receptor using microbial metabolite mimicry. EMBO Molecular Medicine, 2020, 12, e11621. | 3.3 | 53 |
| 41 | In Vivo and In Vitro Characterization of a First-in-Class Novel Azole Analog That Targets Pregnane X Receptor Activation. Molecular Pharmacology, 2011, 80, 124-135. | 1.0 | 52 |
| 42 | The pregnane X receptor and its microbiota-derived ligand indole 3-propionic acid regulate endothelium-dependent vasodilation. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E350-E361. | 1.8 | 47 |
| 43 | Targeting the PXRâ€“TLR4 signaling pathway to reduce intestinal inflammation in an experimental model of necrotizing enterocolitis. Pediatric Research, 2018, 83, 1031-1040. | 1.1 | 46 |
| 44 | The anti-inflammatory effect and potential mechanism of cardamonin in DSS-induced colitis. American Journal of Physiology - Renal Physiology, 2015, 309, G517-G527. | 1.6 | 42 |
| 45 | Indole microbial intestinal metabolites expand the repertoire of ligands and agonists of the human pregnane X receptor. Toxicology Letters, 2020, 334, 87-93. | 0.4 | 42 |
| 46 | Diindolylmethane, a naturally occurring compound, induces CYP3A4 and MDR1 gene expression by activating human PXR. Toxicology Letters, 2015, 232, 580-589. | 0.4 | 38 |
| 47 | C-glycosyl flavonoid orientin improves chemically induced inflammatory bowel disease in mice. Journal of Functional Foods, 2016, 21, 418-430. | 1.6 | 38 |
| 48 | Understanding and Modulating Mammalian-Microbial Communication for Improved Human Health. Annual Review of Pharmacology and Toxicology, 2014, 54, 559-580. | 4.2 | 37 |
| 49 | Constitutive androstane receptor regulates the intestinal mucosal response to injury. British Journal of Pharmacology, 2017, 174, 1857-1871. | 2.7 | 35 |
| 50 | Methylindoles and Methoxyindoles are Agonists and Antagonists of Human Aryl Hydrocarbon Receptor. Molecular Pharmacology, 2018, 93, 631-644. | 1.0 | 35 |
| 51 | Polybrominated Diphenyl Ethers and Gut Microbiome Modulate Metabolic Syndromeâ€“Related Aqueous Metabolites in Mice. Drug Metabolism and Disposition, 2019, 47, 928-940. | 1.7 | 35 |
| 52 | Drug Mimicry: Promiscuous Receptors PXR and AhR, and Microbial Metabolite Interactions in the Intestine. Trends in Pharmacological Sciences, 2020, 41, 900-908. | 4.0 | 35 |
| 53 | Pregnane X Receptor Regulates Pathogen-Induced Inflammation and Host Defense against an Intracellular Bacterial Infection through Toll-like Receptor 4. Scientific Reports, 2016, 6, 31936. | 1.6 | 34 |
| 54 | Xenobiotic Receptor-Mediated Regulation of Intestinal Barrier Function and Innate Immunity. Nuclear Receptor Research, 2016, 3, . | 2.5 | 32 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Microbiota and Breast Cancer. Progress in Molecular Biology and Translational Science, 2017, 151, 217-229. | 0.9 | 31 |
| 56 | Orphan Nuclear Receptors as Targets for Drug Development. Pharmaceutical Research, 2010, 27, 1439-1468. | 1.7 | 30 |
| 57 | Indole scaffolds as a promising class of the aryl hydrocarbon receptor ligands. European Journal of Medicinal Chemistry, 2021, 215, 113231. | 2.6 | 30 |
| 58 | Synthesis of novel ketoconazole derivatives as inhibitors of the human Pregnane X Receptor (PXR;) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 1.0 | 29 |
| 59 | Novel Yeast-based Strategy Unveils Antagonist Binding Regions on the Nuclear Xenobiotic Receptor PXR. Journal of Biological Chemistry, 2013, 288, 13655-13668. | 1.6 | 28 |
| 60 | Acacetin Ameliorates Experimental Colitis in Mice via Inhibiting Macrophage Inflammatory Response and Regulating the Composition of Gut Microbiota. Frontiers in Physiology, 2020, 11, 577237. | 1.3 | 28 |
| 61 | Garcinoic Acid Is a Natural and Selective Agonist of Pregnane X Receptor. Journal of Medicinal Chemistry, 2020, 63, 3701-3712. | 2.9 | 27 |
| 62 | Pinocembrin alleviates ulcerative colitis in mice via regulating gut microbiota, suppressing TLR4/MD2/NF-Î¹B pathway and promoting intestinal barrier. Bioscience Reports, 2020, 40, . | 1.1 | 25 |
| 63 | Early Life Exposure to Environmental Contaminants (BDE-47, TBBPA, and BPS) Produced Persistent Alterations in Fecal Microbiome in Adult Male Mice. Toxicological Sciences, 2021, 179, 14-30. | 1.4 | 22 |
| 64 | Differential activation of human pregnane X receptor PXR by isomeric mono-methylated indoles in intestinal and hepatic in vitro models. Toxicology Letters, 2020, 324, 104-110. | 0.4 | 20 |
| 65 | Novel Orphan Nuclear Receptors-Coregulator Interactions Controlling Anti-Cancer Drug Metabolism. Current Drug Metabolism, 2008, 9, 611-613. | 0.7 | 19 |
| 66 | Activation of PXR by Alpinetin Contributes to Abrogate Chemically Induced Inflammatory Bowel Disease. Frontiers in Pharmacology, 2020, 11, 474. | 1.6 | 19 |
| 67 | Acetylation of lysine 109 modulates pregnane X receptor DNA binding and transcriptional activity. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2016, 1859, 1155-1169. | 0.9 | 18 |
| 68 | Pregnane X Receptor Activation Triggers Rapid ATP Release in Primed Macrophages That Mediates NLRP3 Inflammasome Activation. Journal of Pharmacology and Experimental Therapeutics, 2019, 370, 44-53. | 1.3 | 18 |
| 69 | Garcinoic acid prevents Î²-amyloid (AÎ²) deposition in the mouse brain. Journal of Biological Chemistry, 2020, 295, 11866-11876. | 1.6 | 18 |
| 70 | Adverse pharmacokinetic interactions between illicit substances and clinical drugs. Drug Metabolism Reviews, 2020, 52, 44-65. | 1.5 | 17 |
| 71 | The xenobiotic sensing pregnane X receptor regulates tissue damage and inflammation triggered byC difficiletoxins. FASEB Journal, 2020, 34, 2198-2212. | 0.2 | 16 |
| 72 | Bacterial Indole as a Multifunctional Regulator of Klebsiella oxytoca Complex Enterotoxicity. MBio, 2022, 13, e0375221. | 1.8 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Mono-methylindoles induce CYP1A genes and inhibit CYP1A1 enzyme activity in human hepatocytes and HepaRG cells. Toxicology Letters, 2019, 313, 66-76. | 0.4 | 13 |
| 74 | Bacterial Swarmers Enriched During Intestinal Stress Ameliorate Damage. Gastroenterology, 2021, 161, 211-224. | 0.6 | 13 |
| 75 | Belinostat, at Its Clinically Relevant Concentrations, Inhibits Rifampicin-Induced CYP3A4 and MDR1 Gene Expression. Molecular Pharmacology, 2019, 95, 324-334. | 1.0 | 12 |
| 76 | Microbial control of intestinal innate immunity. Oncotarget, 2015, 6, 19962-19963. | 0.8 | 12 |
| 77 | Obacunone reduces inflammatory signalling and tumour occurrence in mice with chronic inflammation-induced colorectal cancer. Pharmaceutical Biology, 2020, 58, 886-897. | 1.3 | 11 |
| 78 | Alterations of chemotherapeutic pharmacokinetic profiles by drugâ€“drug interactions. Expert Opinion on Drug Metabolism and Toxicology, 2009, 5, 109-130. | 1.5 | 10 |
| 79 | Deciphering structural bases of intestinal and hepatic selectivity in targeting pregnane X receptor with indole-based microbial mimics. Bioorganic Chemistry, 2021, 109, 104661. | 2.0 | 10 |
| 80 | Confinement discerns swarmers from planktonic bacteria. ELife, 2021, 10, . | 2.8 | 10 |
| 81 | Understanding the physiological functions of the host xenobiotic-sensing nuclear receptors PXR and CAR on the gut microbiome using genetically modified mice. Acta Pharmaceutica Sinica B, 2021, 12, 801-820. | 5.7 | 10 |
| 82 | Neonatal Exposure to BPA, BDE-99, and PCB Produces Persistent Changes in Hepatic Transcriptome Associated With Gut Dysbiosis in Adult Mouse Livers. Toxicological Sciences, 2021, 184, 83-103. | 1.4 | 10 |
| 83 | Targeting the Aryl Hydrocarbon Receptor with Microbial Metabolite Mimics Alleviates Experimental Colitis in Mice. Journal of Medicinal Chemistry, 2022, 65, 6859-6868. | 2.9 | 8 |
| 84 | Weak Microbial Metabolites: a Treasure Trove for Using Biomimicry to Discover and Optimize Drugs. Molecular Pharmacology, 2020, 98, 343-349. | 1.0 | 6 |
| 85 | Antimigraine Drug Avitriptan Is a Ligand and Agonist of Human Aryl Hydrocarbon Receptor that Induces CYP1A1 in Hepatic and Intestinal Cells. International Journal of Molecular Sciences, 2020, 21, 2799. | 1.8 | 6 |
| 86 | An expanding bacterial colony forms a depletion zone with growing droplets. Soft Matter, 2021, 17, 2315-2326. | 1.2 | 5 |
| 87 | Human microbial metabolite mimicry as a strategy to expand the chemical space of potential drugs. Drug Discovery Today, 2020, 25, 1575-1579. | 3.2 | 4 |
| 88 | Indole microbial metabolites: expanding and translating target(s). Oncotarget, 2017, 8, 52014-52015. | 0.8 | 4 |
| 89 | Orbiting of Flagellated Bacteria within a Thin Fluid Film around Micrometer-Sized Particles. Biophysical Journal, 2019, 117, 346-354. | 0.2 | 3 |
| 90 | Microbial metabolite mimicry: one step closer to drug discovery. Oncotarget, 2020, 11, 1680-1680. | 0.8 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Reverse Yeast Two-hybrid System to Identify Mammalian Nuclear Receptor Residues that Interact with Ligands and/or Antagonists. Journal of Visualized Experiments, 2013, , e51085. | 0.2 | 2 |
| 92 | An Inexpensive Imaging Platform to Record and Quantitate Bacterial Swarming. Bio-protocol, 2021, 11, e4162. | 0.2 | 2 |
| 93 | Enterobacter sp. Strain SM1_HS2B Manifests Transient Elongation and Swimming Motility in Liquid Medium. Microbiology Spectrum, 2022, 10, . | 1.2 | 1 |
| 94 | Epithelial expression of the orphan nuclear receptor PXR is critical for the maintenance of gut mucosal barrier function. Inflammatory Bowel Diseases, 2011, 17, S11. | 0.9 | 0 |
| 95 | Assessing Swarming of Aerobic Bacteria from Human Fecal Matter. Bio-protocol, 2021, 11, e4008. | 0.2 | 0 |
| 96 | Pharmacokinetics and Safety of Bortezomib In Patients with Advanced Malignancies and Varying Degrees of Liver Dysfunction: Results of the Phase 1 National Cancer Institute Organ Dysfunction Working Group Study NCI 6432. Blood, 2010, 116, 3975-3975. | 0.6 | 0 |
| 97 | The Microbial Metabolite Sensor Pregnane X Receptor (PXR) Restrains Fibroblasts from Promoting Gastrointestinal Inflammation and Fibrosis in Mice. FASEB Journal, 2017, 31, 1051.2. | 0.2 | 0 |
| 98 | The pregnane X receptor (PXR) modulates NLRP3 inflammasome activation â€“ linking the environment with innate immune signaling. FASEB Journal, 2018, 32, 609.1. | 0.2 | 0 |