Sridhar Mani

List of Publications by Year
in descending order

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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	Bacterial Indole as a Multifunctional Regulator of Klebsiella oxytoca Complex Enterotoxicity. MBio, 2022, 13, e0375221.	1.8	14
2	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
3	Enterobacter sp. Strain SM1_HS2B Manifests Transient Elongation and Swimming Motility in Liquid Medium. Microbiology Spectrum, 2022, 10, .	1.2	1
4	The gut metabolite indole-3 propionate promotes nerve regeneration and repair. Nature, 2022, 607, 585-592.	13.7	93
5	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
6	Tryptophan Metabolism as a Pharmacological Target. Trends in Pharmacological Sciences, 2021, 42, 60-73.	4.0	135
7	Assessing Swarming of Aerobic Bacteria from Human Fecal Matter. Bio-protocol, 2021, 11, e4008.	0.2	0
8	An Inexpensive Imaging Platform to Record and Quantitate Bacterial Swarming. Bio-protocol, 2021, 11, e4162.	0.2	2
9	An expanding bacterial colony forms a depletion zone with growing droplets. Soft Matter, 2021, 17, 2315-2326.	1.2	5
10	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
11	Indole scaffolds as a promising class of the aryl hydrocarbon receptor ligands. European Journal of Medicinal Chemistry, 2021, 215, 113231.	2.6	30
12	Confinement discerns swarmers from planktonic bacteria. ELife, 2021, 10, .	2.8	10
13	Bacterial Swarmers Enriched During Intestinal Stress Ameliorate Damage. Gastroenterology, 2021, 161, 211-224.	0.6	13
14	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
15	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
16	The xenobiotic sensing pregnane X receptor regulates tissue damage and inflammation triggered byC difficiletoxins. FASEB Journal, 2020, 34, 2198-2212.	0.2	16
17	Adverse pharmacokinetic interactions between illicit substances and clinical drugs. Drug Metabolism Reviews, 2020, 52, 44-65.	1.5	17
18	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

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19	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
20	Weak Microbial Metabolites: a Treasure Trove for Using Biomimicry to Discover and Optimize Drugs. Molecular Pharmacology, 2020, 98, 343-349.	1.0	6
21	Obacunone reduces inflammatory signalling and tumour occurrence in mice with chronic inflammation-induced colorectal cancer. Pharmaceutical Biology, 2020, 58, 886-897.	1.3	11
22	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
23	Garcinoic Acid Is a Natural and Selective Agonist of Pregnane X Receptor. Journal of Medicinal Chemistry, 2020, 63, 3701-3712.	2.9	27
24	Garcinoic acid prevents Î²-amyloid (AÎ²) deposition in the mouse brain. Journal of Biological Chemistry, 2020, 295, 11866-11876.	1.6	18
25	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
26	Activation of PXR by Alpinetin Contributes to Abrogate Chemically Induced Inflammatory Bowel Disease. Frontiers in Pharmacology, 2020, 11, 474.	1.6	19
27	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
28	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
29	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
30	Pinocembrin alleviates ulcerative colitis in mice via regulating gut microbiota, suppressing TLR4/MD2/NF-ÎºB pathway and promoting intestinal barrier. Bioscience Reports, 2020, 40, .	1.1	25
31	Targeting the pregnane X receptor using microbial metabolite mimicry. EMBO Molecular Medicine, 2020, 12, e11621.	3.3	53
32	Microbial metabolite mimicry: one step closer to drug discovery. Oncotarget, 2020, 11, 1680-1680.	0.8	3
33	Orbiting of Flagellated Bacteria within a Thin Fluid Film around Micrometer-Sized Particles. Biophysical Journal, 2019, 117, 346-354.	0.2	3
34	Inflammatory Bowel Disease: A Potential Result from the Collusion between Gut Microbiota and Mucosal Immune System. Microorganisms, 2019, 7, 440.	1.6	57
35	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
36	Belinostat, at Its Clinically Relevant Concentrations, Inhibits Rifampicin-Induced CYP3A4 and MDR1 Gene Expression. Molecular Pharmacology, 2019, 95, 324-334.	1.0	12

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37	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
38	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
39	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
40	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
41	Methylindoles and Methoxyindoles are Agonists and Antagonists of Human Aryl Hydrocarbon Receptor. Molecular Pharmacology, 2018, 93, 631-644.	1.0	35
42	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
43	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
44	Recent advances of highly selective CDK4/6 inhibitors in breast cancer. Journal of Hematology and Oncology, 2017, 10, 97.	6.9	126
45	Constitutive androstane receptor regulates the intestinal mucosal response to injury. British Journal of Pharmacology, 2017, 174, 1857-1871.	2.7	35
46	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
47	Microbiota and Breast Cancer. Progress in Molecular Biology and Translational Science, 2017, 151, 217-229.	0.9	31
48	Indole microbial metabolites: expanding and translating target(s). Oncotarget, 2017, 8, 52014-52015.	0.8	4
49	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
50	Xenobiotic Receptor-Mediated Regulation of Intestinal Barrier Function and Innate Immunity. Nuclear Receptor Research, 2016, 3, .	2.5	32
51	Pregnane X Receptor and Cancer: Context-Specificity is Key. Nuclear Receptor Research, 2016, 3, .	2.5	53
52	C-glycosyl flavonoid orientin improves chemically induced inflammatory bowel disease in mice. Journal of Functional Foods, 2016, 21, 418-430.	1.6	38
53	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
54	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

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55	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
56	Diindolylmethane, a naturally occurring compound, induces CYP3A4 and MDR1 gene expression by activating human PXR. Toxicology Letters, 2015, 232, 580-589.	0.4	38
57	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
58	Hepatocellular Shuttling and Recirculation of Sorafenib-Glucuronide Is Dependent on Abcc2, Abcc3, and Oatp1a/1b. Cancer Research, 2015, 75, 2729-2736.	0.4	59
59	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
60	Anticancer immunotherapy by CTLA-4 blockade relies on the gut microbiota. Science, 2015, 350, 1079-1084.	6.0	2,539
61	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
62	Microbial control of intestinal innate immunity. Oncotarget, 2015, 6, 19962-19963.	0.8	12
63	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
64	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
65	Understanding and Modulating Mammalian-Microbial Communication for Improved Human Health. Annual Review of Pharmacology and Toxicology, 2014, 54, 559-580.	4.2	37
66	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
67	PXR antagonists and implication in drug metabolism. Drug Metabolism Reviews, 2013, 45, 60-72.	1.5	80
68	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
69	Pregnane xenobiotic receptor in cancer pathogenesis and therapeutic response. Cancer Letters, 2013, 328, 1-9.	3.2	71
70	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
71	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
72	Molecular Insights into MicrobialÎ²-Glucuronidase Inhibition to Abrogate CPT-11 Toxicity. Molecular Pharmacology, 2013, 84, 208-217.	1.0	105

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73	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
74	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
75	Alleviation of Gut Inflammation by Cdx2/Pxr Pathway in a Mouse Model of Chemical Colitis. PLoS ONE, 2012, 7, e36075.	1.1	78
76	Post-translational modification of pregnane x receptor. Pharmacological Research, 2011, 64, 4-10.	3.1	68
77	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
78	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
79	Metformin suppresses pregnane X receptor (PXR)-regulated transactivation of CYP3A4 gene. Biochemical Pharmacology, 2011, 82, 1771-1780.	2.0	71
80	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
81	Pregnane X receptor activation induces FGF19-dependent tumor aggressiveness in humans and mice. Journal of Clinical Investigation, 2011, 121, 3220-3232.	3.9	125
82	Orphan Nuclear Receptors as Targets for Drug Development. Pharmaceutical Research, 2010, 27, 1439-1468.	1.7	30
83	Alleviating Cancer Drug Toxicity by Inhibiting a Bacterial Enzyme. Science, 2010, 330, 831-835.	6.0	800
84	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
85	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
86	Alterations of chemotherapeutic pharmacokinetic profiles by drugâ€“drug interactions. Expert Opinion on Drug Metabolism and Toxicology, 2009, 5, 109-130.	1.5	10
87	Survivin inhibition induces human neural tumor cell death through caspase-independent and -dependent pathways. Journal of Neurochemistry, 2008, 79, 426-436.	2.1	100
88	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
89	Computational Discovery of Novel Low Micromolar Human Pregnane X Receptor Antagonists. Molecular Pharmacology, 2008, 74, 662-672.	1.0	68
90	The Phytoestrogen Coumestrol Is a Naturally Occurring Antagonist of the Human Pregnane X Receptor. Molecular Endocrinology, 2008, 22, 838-857.	3.7	107

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91	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
92	Novel Orphan Nuclear Receptors-Coregulator Interactions Controlling Anti-Cancer Drug Metabolism. Current Drug Metabolism, 2008, 9, 611-613.	0.7	19
93	Activated Pregnenolone X-Receptor Is a Target for Ketoconazole and Its Analogs. Clinical Cancer Research, 2007, 13, 2488-2495.	3.2	100
94	Human Pregnane X Receptor Antagonists and Agonists Define Molecular Requirements for Different Binding Sites. Molecular Pharmacology, 2007, 72, 592-603.	1.0	143
95	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
96	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
97	The clinical development of new mitotic inhibitors that stabilize the microtubule. Anti-Cancer Drugs, 2004, 15, 553-558.	0.7	67
98	Cyclin-dependent kinase inhibitors: novel anticancer agents. Expert Opinion on Investigational Drugs, 2000, 9, 1849-1870.	1.9	72