Chang-Xi Yu

List of Publications by Year
in descending order

35 papers	1,030 citations	516710 16 h-index	434195 31 g-index
36 all docs	36 docs citations	36 times ranked	661 citing authors

#	Article	IF	Citations
1	Medicinal plants of the genus Gelsemium (Gelsemiaceae, Gentianales)â€”A review of their phytochemistry, pharmacology, toxicology and traditional use. Journal of Ethnopharmacology, 2014, 152, 33-52.	4.1	159
2	Effects of koumine, an alkaloid of Gelsemium elegans Benth., on inflammatory and neuropathic pain models and possible mechanism with allopregnanolone. Pharmacology Biochemistry and Behavior, 2012, 101, 504-514.	2.9	104
3	The active alkaloids of Gelsemium elegans Benth. are potent anxiolytics. Psychopharmacology, 2013, 225, 839-851.	3.1	80
4	Antidepressant-like effects of albiflorin extracted from Radix paeoniae Alba. Journal of Ethnopharmacology, 2016, 179, 9-15.	4.1	77
5	Preparative separation of alkaloids from Gelsemium elegans Benth. using pH-zone-refining counter-current chromatography. Journal of Chromatography A, 2011, 1218, 3695-3698.	3.7	64
6	Koumine Attenuates Neuroglia Activation and Inflammatory Response to Neuropathic Pain. Neural Plasticity, 2018, 2018, 1-13.	2.2	47
7	Anti-allodynic and Neuroprotective Effects of Koumine, a Benth Alkaloid, in a Rat Model of Diabetic Neuropathy. Biological and Pharmaceutical Bulletin, 2014, 37, 858-864.	1.4	43
8	Koumine Decreases Astrocyte-Mediated Neuroinflammation and Enhances Autophagy, Contributing to Neuropathic Pain From Chronic Constriction Injury in Rats. Frontiers in Pharmacology, 2018, 9, 989.	3.5	41
9	Effects of Koumine on Adjuvant- and Collagen-Induced Arthritis in Rats. Journal of Natural Products, 2016, 79, 2635-2643.	3.0	39
10	Analgesic effects and pharmacologic mechanisms of the Gelsemium alkaloid koumine on a rat model of postoperative pain. Scientific Reports, 2017, 7, 14269.	3.3	39
11	Puerarin Alleviates Neuropathic Pain by Inhibiting Neuroinflammation in Spinal Cord. Mediators of Inflammation, 2014, 2014, 1-9.	3.0	37
12	Koumine Enhances Spinal Cord 3Î±-Hydroxysteroid Oxidoreductase Expression and Activity in a Rat Model of Neuropathic Pain. Molecular Pain, 2015, 11, s12990-015-0050.	2.1	27
13	Koumine exhibits anxiolytic properties without inducing adverse neurological effects on functional observation battery, open-field and Vogel conflict tests in rodents. Journal of Natural Medicines, 2017, 71, 397-408.	2.3	25
14	The analgesic effect and possible mechanisms by which koumine alters type II collagen-induced arthritis in rats. Journal of Natural Medicines, 2019, 73, 217-225.	2.3	23
15	Immunoregulatory Effect of Koumine on Nonalcoholic Fatty Liver Disease Rats. Journal of Immunology Research, 2019, 2019, 1-9.	2.2	22
16	Koumine Suppresses IL-1Î² Secretion and Attenuates Inflammation Associated With Blocking ROS/NF-Î²B/NLRP3 Axis in Macrophages. Frontiers in Pharmacology, 2020, 11, 622074.	3.5	22
17	Ventral tegmental area GABAergic neurons induce anxiety-like behaviors and promote palatable food intake. Neuropharmacology, 2020, 173, 108114.	4.1	18
18	Koumine modulates spinal microglial M1 polarization and the inflammatory response through the Notch-RBP-JÎº signaling pathway, ameliorating diabetic neuropathic pain in rats. Phytomedicine, 2021, 90, 153640.	5.3	17

#	Article	IF	Citations
19	Glutamatergic lateral hypothalamus promotes defensive behaviors. Neuropharmacology, 2020, 178, 108239.	4.1	15
20	SYVN1, an ERAD E3 Ubiquitin Ligase, Is Involved in GABAAÎ±1 Degradation Associated with Methamphetamine-Induced Conditioned Place Preference. Frontiers in Molecular Neuroscience, 2017, 10, 313.	2.9	13
21	The immunomodulatory effect of koumine on B cells under dependent and independent responses by T cells. European Journal of Pharmacology, 2022, 914, 174690.	3.5	13
22	APT1-Mediated Depalmitoylation Regulates Hippocampal Synaptic Plasticity. Journal of Neuroscience, 2022, 42, 2662-2677.	3.6	13
23	Enhanced oral bioavailability of koumine by complexation with hydroxypropyl-Î²-cyclodextrin: preparation, optimization, ex vivo and inÂvivo characterization. Drug Delivery, 2021, 28, 2415-2426.	5.7	12
24	The Modulatory Effect of Motor Cortex Astrocytes on Diabetic Neuropathic Pain. Journal of Neuroscience, 2021, 41, 5287-5302.	3.6	11
25	Identification of Koumine as a Translocator Protein 18ÂkDa Positive Allosteric Modulator for the Treatment of Inflammatory and Neuropathic Pain. Frontiers in Pharmacology, 2021, 12, 692917.	3.5	10
26	The anxiolytic effect of koumine on a predatory sound stress-induced anxiety model and its associated molecular mechanisms. Phytomedicine, 2022, 103, 154225.	5.3	10
27	Formulation and Pharmacokinetic Evaluation of a Drug-in-Adhesive Patch for Transdermal Delivery of Koumine. AAPS PharmSciTech, 2020, 21, 297.	3.3	9
28	Investigation of the Possible Allostery of Koumine Extracted From Gelsemium elegans Benth. And Analgesic Mechanism Associated With Neurosteroids. Frontiers in Pharmacology, 2021, 12, 739618.	3.5	8
29	Sempervirine Inhibits Proliferation and Promotes Apoptosis by Regulating Wnt/Î²-Catenin Pathway in Human Hepatocellular Carcinoma. Frontiers in Pharmacology, 2021, 12, 806091.	3.5	8
30	Basal forebrain GABAergic neurons promote arousal and predatory hunting. Neuropharmacology, 2020, 180, 108299.	4.1	7
31	Orally Administered Koumine Persists Longer in the Plasma of Aged Rats Than That of Adult Rats as Assessed by Ultra-Performance Liquid Chromatography-Tandem Mass Spectrometry. Frontiers in Pharmacology, 2020, 11, 1113.	3.5	6
32	A glutamatergic basal forebrain to midbrain circuit mediates wakefulness and defensive behavior. Neuropharmacology, 2022, 208, 108979.	4.1	5
33	Simultaneous Determination of Koumine and Gelsemine in Human Plasma Using HPLC-UV Assay and Its Clinical Application. Current Pharmaceutical Analysis, 2019, 15, 640-649.	0.6	3
34	Streptozotocin-Induced Hyperglycemia Affects the Pharmacokinetics of Koumine and its Anti-Allodynic Action in a Rat Model of Diabetic Neuropathic Pain. Frontiers in Pharmacology, 2021, 12, 640318.	3.5	2
35	A new stress model by predatory sound produces persistent anxiety-like behaviours in male SD rats but not ICR mice. Applied Animal Behaviour Science, 2019, 220, 104843.	1.9	1