Ronald J Tallarida

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135 4,597 33 64 g-index

136 4,954 5.2 5.82 ext. papers ext. citations avg, IF L-index

#	Paper	IF	Citations
135	An overview of drug combination analysis with isobolograms. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006 , 319, 1-7	4.7	367
134	pA2 and receptor differentiation: a statistical analysis of competitive antagonism. <i>Life Sciences</i> , 1979 , 25, 637-54	6.8	359
133	Statistical analysis of drug-drug and site-site interactions with isobolograms. <i>Life Sciences</i> , 1989 , 45, 94	17-668	284
132	Drug Synergism and Dose-Effect Data Analysis		249
131	The interaction index: a measure of drug synergism. <i>Pain</i> , 2002 , 98, 163-8	8	201
130	Quantitative methods for assessing drug synergism. <i>Genes and Cancer</i> , 2011 , 2, 1003-8	2.9	178
129	Statistical analysis of drug combinations for synergism. <i>Pain</i> , 1992 , 49, 93-97	8	170
128	Isobolographic analysis for combinations of a full and partial agonist: curved isoboles. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004 , 310, 981-6	4.7	130
127	Efficient designs for studying synergistic drug combinations. <i>Life Sciences</i> , 1997 , 61, PL 417-25	6.8	104
126	Interactions between drugs and occupied receptors 2007 , 113, 197-209		95
125	Synergistic antiallodynic effects of spinal morphine with ketorolac and selective COX1- and COX2-inhibitors in nerve-injured rats. <i>Pain</i> , 1999 , 82, 65-72	8	94
124	Revisiting the isobole and related quantitative methods for assessing drug synergism. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012 , 342, 2-8	4.7	92
123	Metabolic changes associated with the cessation of cigarette smoking. <i>Archives of Environmental Health</i> , 1970 , 20, 377-81		90
122	Modulation of morphine antinociception by peripheral [Leu5]enkephalin: a synergistic interaction. <i>European Journal of Pharmacology</i> , 1990 , 179, 463-8	5.3	89
121	The Dose R esponse Relation in Pharmacology 1979 ,		89
120	Single and combined effects of Atetrahydrocannabinol and cannabidiol in a mouse model of chemotherapy-induced neuropathic pain. <i>British Journal of Pharmacology</i> , 2017 , 174, 2832-2841	8.6	85
119	Loss of antiallodynic and antinociceptive spinal/supraspinal morphine synergy in nerve-injured rats: restoration by MK-801 or dynorphin antiserum. <i>Brain Research</i> , 1999 , 831, 55-63	3.7	75

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118	Synergy between mu opioid ligands: evidence for functional interactions among mu opioid receptor subtypes. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002 , 303, 557-62	4.7	66
117	Cocaine-induced hyperactivity and sensitization are dependent on GSK3. <i>Neuropharmacology</i> , 2009 , 56, 1116-23	5.5	63
116	The determination and application of fixed-dose analgesic combinations for treating multimodal pain. <i>Journal of Pain</i> , 2010 , 11, 701-9	5.2	61
115	Testing for synergism over a range of fixed ratio drug combinations: replacing the isobologram. <i>Life Sciences</i> , 1996 , 58, PL 23-8	6.8	54
114	Combination strategies for pain management. Expert Opinion on Pharmacotherapy, 2003, 4, 1697-708	4	52
113	Antinociceptive interactions of opioid delta receptor agonists with morphine in mice: supra- and sub-additivity. <i>Life Sciences</i> , 1992 , 50, 1535-41	6.8	48
112	The application of drug dose equivalence in the quantitative analysis of receptor occupation and drug combinations. <i>Pharmacology & Therapeutics</i> , 2010 , 127, 165-74	13.9	44
111	Combinations of cocaine with other dopamine uptake inhibitors: assessment of additivity. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 330, 802-9	4.7	43
110	Effects of a Cannabinoid1 receptor antagonist and Serotonin2C receptor agonist alone and in combination on motivation for palatable food: a dose-addition analysis study in mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008 , 325, 567-76	4.7	41
109	Drug Combinations: Tests and Analysis with Isoboles. <i>Current Protocols in Pharmacology</i> , 2016 , 72, 9.19.1	l ₄ 9 <u>1</u> 19.	1 .9 1
108	Levamisole and cocaine synergism: a prevalent adulterant enhances cocaine's action in vivo. Neuropharmacology, 2014 , 79, 590-5	5.5	40
107	An evaluation of tamoxifen as a partial agonist by classical receptor theoryan explanation of the dual action of tamoxifen. <i>European Journal of Pharmacology</i> , 1984 , 103, 321-6	5.3	40
106	Ketazocines and morphine: effects on gastrointestinal transit after central and peripheral administration. <i>Life Sciences</i> , 1983 , 32, 1785-90	6.8	39
105	Postulated thermoregulatory roles for different opiate receptors in rats. <i>Life Sciences</i> , 1982 , 31, 2241-4	6.8	37
104	Synergistic antihypersensitive effects of pregabalin and tapentadol in a rat model of neuropathic pain. <i>European Journal of Pharmacology</i> , 2011 , 666, 72-9	5.3	36
103	Resveratrol in combination with other dietary polyphenols concomitantly enhances antiproliferation and UGT1A1 induction in Caco-2 cells. <i>Life Sciences</i> , 2011 , 88, 1047-54	6.8	34
102	Antinociceptive synergy, additivity, and subadditivity with combinations of oral glucosamine plus nonopioid analgesics in mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003 , 307, 699-70.	4 ·7	33
101	Gabapentin and the neurokinin(1) receptor antagonist CI-1021 act synergistically in two rat models of neuropathic pain. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002 , 303, 730-5	4.7	33

100	Intra-VTA CART 55-102 reduces the locomotor effect of systemic cocaine in rats: an isobolographic analysis. <i>Neuropeptides</i> , 2007 , 41, 65-72	3.3	31
99	Tramadol and several anticonvulsants synergize in attenuating nerve injury-induced allodynia. <i>Pain</i> , 2008 , 134, 254-262	8	28
98	Interaction between muscarinic receptor subtype signal transduction pathways mediating bladder contraction. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002 , 283, R663-8	3.2	28
97	Possible mechanism of hypothermia induced by intracerebroventricular injection of orphanin FQ/nociceptin. <i>Brain Research</i> , 2001 , 904, 252-8	3.7	26
96	Estimation of the affinity of naloxone at supraspinal and spinal opioid receptors in vivo: studies with receptor selective agonists. <i>Life Sciences</i> , 1986 , 39, 1795-803	6.8	26
95	Continuous multimechanistic postoperative analgesia: a rationale for transitioning from intravenous acetaminophen and opioids to oral formulations. <i>Pain Practice</i> , 2012 , 12, 159-73	3	25
94	Inhibition of GSK3 attenuates dopamine D1 receptor agonist-induced hyperactivity in mice. <i>Brain Research Bulletin</i> , 2010 , 82, 184-7	3.9	25
93	A novel role of cannabinoids: implication in the fever induced by bacterial lipopolysaccharide. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 320, 1127-33	4.7	25
92	Distinct interactions of cannabidiol and morphine in three nociceptive behavioral models in mice. <i>Behavioural Pharmacology</i> , 2015 , 26, 304-14	2.4	23
91	Tolerance and cross-tolerance studies with morphine and ethylketocyclazocine. <i>Journal of Pharmacy and Pharmacology</i> , 1982 , 34, 666-7	4.8	23
90	Midazolam enhances the analgesic properties of dexmedetomidine in the rat. <i>Veterinary Anaesthesia and Analgesia</i> , 2010 , 37, 550-6	1.3	22
89	The dynamic relationship between mu and kappa opioid receptors in body temperature regulation. <i>Life Sciences</i> , 2005 , 78, 329-33	6.8	22
88	Synergistic antidepressant-like effects between a kappa opioid antagonist (LY2444296) and a delta opioid agonist (ADL5859) in the mouse forced swim test. <i>European Journal of Pharmacology</i> , 2016 , 781, 53-9	5.3	22
87	Ethanol and cocaine: environmental place conditioning, stereotypy, and synergism in planarians. <i>Alcohol</i> , 2014 , 48, 579-86	2.7	21
86	Synergism between buprenorphine and cocaine on the rotational behavior of the nigrally-lesioned rat. <i>Psychopharmacology</i> , 1997 , 133, 372-7	4.7	20
85	A scale for assessing the severity of diseases and adverse drug reactions. Application to drug benefit and risk. <i>Clinical Pharmacology and Therapeutics</i> , 1979 , 25, 381-90	6.1	20
84	Levamisole enhances the rewarding and locomotor-activating effects of cocaine in rats. <i>Drug and Alcohol Dependence</i> , 2015 , 149, 145-50	4.9	19
83	Pharmacologic methods for identification of receptors. <i>Life Sciences</i> , 1988 , 43, 2169-76	6.8	19

82	Use of programmable protocol timer and data logger in the monitoring of animal behavior. <i>Pharmacology Biochemistry and Behavior</i> , 1981 , 15, 135-40	3.9	19
81	Rapid extraction and measurement of morphine and opiate antagonists from rat brain using high-performance liquid chromatography and electrochemical detection. <i>Journal of Chromatography A</i> , 1982 , 238, 515-9	4.5	19
80	Characteristics of photorelaxation in vascular smooth muscle: evidence supporting the hypothesis of drug-receptor equilibrium disturbance. <i>IEEE Transactions on Biomedical Engineering</i> , 1975 , 22, 493-50	o1 ⁵	19
79	Unexpected and pronounced antinociceptive synergy between spinal acetaminophen (paracetamol) and phentolamine. <i>European Journal of Pharmacology</i> , 2001 , 412, R1-2	5.3	18
78	Spinal-supraspinal and intrinsic Ebpioid receptor agonist-norepinephrine reuptake inhibitor (MOR-NRI) synergy of tapentadol in diabetic heat hyperalgesia in mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013 , 347, 794-801	4.7	17
77	Self-administration of cocaine-remifentanil mixtures by monkeys: an isobolographic analysis. <i>Psychopharmacology</i> , 2008 , 198, 387-94	4.7	17
76	Principles in General Pharmacology 1988 ,		17
75	Fixed-dose combinations for emerging treatment of pain. <i>Expert Opinion on Pharmacotherapy</i> , 2012 , 13, 1261-70	4	16
74	Subadditive withdrawal from cocaine/kappa-opioid agonist combinations in Planaria. <i>Brain Research</i> , 2006 , 1114, 31-5	3.7	15
73	Kinetics of Drug R eceptor Interaction: Interpreting Dose R esponse Data 1979 , 49-84		15
72	Combining opioid and adrenergic mechanisms for chronic pain. <i>Postgraduate Medicine</i> , 2014 , 126, 98-13	143.7	14
71	Quantitation of the contractile response mediated by two receptors: M2 and M3 muscarinic receptor-mediated contractions of human gastroesophageal smooth muscle. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 329, 218-24	4.7	14
71 70	receptor-mediated contractions of human gastroesophageal smooth muscle. <i>Journal of</i>	4.7	14
	receptor-mediated contractions of human gastroesophageal smooth muscle. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 329, 218-24		
70	receptor-mediated contractions of human gastroesophageal smooth muscle. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 329, 218-24 A further comment on testing for drug synergism. <i>Pain</i> , 1992 , 51, 381-382	8	14
70 69	receptor-mediated contractions of human gastroesophageal smooth muscle. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 329, 218-24 A further comment on testing for drug synergism. <i>Pain</i> , 1992 , 51, 381-382 Combination analysis. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 678, 133-7 A quantitative study to assess synergistic interactions between urotensin II and angiotensin II.	3.6	14
7° 69 68	receptor-mediated contractions of human gastroesophageal smooth muscle. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 329, 218-24 A further comment on testing for drug synergism. <i>Pain</i> , 1992 , 51, 381-382 Combination analysis. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 678, 133-7 A quantitative study to assess synergistic interactions between urotensin II and angiotensin II. <i>European Journal of Pharmacology</i> , 2008 , 586, 350-1 Self-administration of drug mixtures by monkeys: combining drugs with comparable mechanisms of	3.65.3	14 14 13

64	On the criteria for classifying opiate agonists in rats. <i>Journal of Pharmacy and Pharmacology</i> , 1982 , 34, 525-6	4.8	12
63	Characterization of the unusual antinociceptive profile of tramadol in mice. <i>Drug Development Research</i> , 1993 , 28, 176-182	5.1	11
62	Further characterization of a control model for ligand-receptor interaction: phase plane geometry, stability, and oscillation. <i>Annals of Biomedical Engineering</i> , 1990 , 18, 671-84	4.7	11
61	On stability and control of ligand-receptor interactions according to the mass action law: A theoretical model of chaos. <i>Drug Development Research</i> , 1990 , 19, 257-274	5.1	11
60	Relaxation methods for the determination of drug receptor affinities. <i>The Bulletin of Mathematical Biophysics</i> , 1970 , 32, 65-9		11
59	On deriving the dose-effect relation of an unknown second component: an example using buprenorphine preclinical data. <i>Drug and Alcohol Dependence</i> , 2010 , 109, 126-9	4.9	10
58	Agmatine and a cannabinoid agonist, WIN 55212-2, interact to produce a hypothermic synergy. European Journal of Pharmacology, 2006 , 553, 89-98	5.3	10
57	Control and oscillation in ligand receptor interactions according to the law of mass action. <i>Life Sciences</i> , 1990 , 46, 1559-68	6.8	10
56	The concept of a changing receptor concentration: implications for the theory of drug action. Journal of Theoretical Biology, 1985 , 115, 625-32	2.3	10
55	Use of the biological stimulus in determining parameters of drug action, and its relationship to the drug effect: a contribution to the theory of drug action. <i>Journal of Theoretical Biology</i> , 1977 , 69, 265-74	2.3	10
54	Nonlinear isobologram and superadditive withdrawal from cocaine: cannabinoid combinations in planarians. <i>European Journal of Pharmacology</i> , 2007 , 556, 89-90	5.3	9
53	Changes in aorta alpha1-adrenoceptor number and affinity during one year of streptozotocin-induced diabetes in rats. <i>Pharmacology</i> , 2005 , 74, 23-30	2.3	9
52	Pronounced hypothermic synergy between systemic baclofen and NOS inhibitor. <i>European Journal of Pharmacology</i> , 2004 , 502, 271-2	5.3	9
51	Estimation in vivo of the receptor constants of morphine in naive and morphine-tolerant rats. <i>Life Sciences</i> , 1982 , 31, 2355-8	6.8	9
50	Pupillographic analysis of morphine action in the rabbit: role to the autonomic nervous system. European Journal of Pharmacology, 1982 , 80, 197-202	5.3	9
49	Perturbation of drug receptor equilibrium in the presence of competitive blocking agents. <i>Journal of Theoretical Biology</i> , 1976 , 61, 211-9	2.3	9
48	Antivasoconstrictor and Antiaggregatory Activities of Picotamide Unrelated to Thromboxane A2 Antagonism. <i>Thrombosis and Haemostasis</i> , 1997 , 78, 1385-1391	7	9
47	Transient loss of dopamine autoreceptor control in the presence of highly potent dopamine agonists. <i>Life Sciences</i> , 1996 , 59, PL317-24	6.8	8

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46	Use of a mu-antisense oligodeoxynucleotide as a mu opioid receptor noncompetitive antagonist in vivo. <i>Neurochemical Research</i> , 1996 , 21, 1363-8	4.6	8	
45	On the analysis of straight line data in pharmacology and biochemistry. <i>Journal of Theoretical Biology</i> , 1981 , 93, 867-79	2.3	8	
44	A comparison of the receptor constants of morphine and ethylketocyclazocine for analgesia and inhibition of gastrointestinal transit in the rat. <i>Life Sciences</i> , 1982 , 31, 1955-61	6.8	8	
43	The Dose R esponse Relation 1979 , 1-17		8	
42	Comparison of human and porcine gastric clasp and sling fiber contraction by M2 and M3 muscarinic receptors. <i>American Journal of Physiology - Renal Physiology</i> , 2010 , 298, G530-4	5.1	7	
41	The use of occupation isoboles for analysis of a response mediated by two receptors: M2 and M3 muscarinic receptor subtype-induced mouse stomach contractions. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008 , 325, 954-60	4.7	7	
40	Chaos and control in mass-action binding of endogenous compounds. <i>Annals of Biomedical Engineering</i> , 1994 , 22, 153-61	4.7	7	
39	Differentiation of apomorphine from bromocriptine, piribidel and TRH by chronic administration in rats. <i>Psychopharmacology</i> , 1982 , 76, 70-4	4.7	7	
38	Opioid-sparing effects of cannabinoids on morphine analgesia: participation of CB and CB receptors. <i>British Journal of Pharmacology</i> , 2019 , 176, 3378-3389	8.6	6	
37	Cocaine synergism with lagonists in rat aorta: computational analysis reveals an action beyond reuptake inhibition. <i>Drug and Alcohol Dependence</i> , 2013 , 129, 226-31	4.9	6	
36	Schild (apparent pA2) analysis of a kappa-opioid antagonist in Planaria. <i>European Journal of Pharmacology</i> , 2006 , 540, 200-1	5.3	6	
35	Receptor regulation, competitive antagonism and pA2. <i>Life Sciences</i> , 1992 , 51, PL61-5	6.8	6	
34	Ultraviolet light-induced photorelaxation of agonist-contracted rabbit aorta: Further characterization and the estimation of drug-receptor rate constants. <i>Drug Development Research</i> , 1985 , 5, 359-369	5.1	6	
33	Time course of antagonism of morphine antinociception by intracerebroventricularly administered naloxone in the rat. <i>European Journal of Pharmacology</i> , 1981 , 76, 55-9	5.3	6	
32	Baclofen and NOS inhibitors interact to evoke synergistic hypothermia in rats. <i>Life Sciences</i> , 2006 , 78, 669-72	6.8	5	
31	Morphine potentiates dextromethorphan-induced vasodilation in rat superior mesenteric artery. <i>European Journal of Pharmacology</i> , 2004 , 486, 61-5	5-3	5	
30	The relationship between vessel wall tension and the magnitude and frequency of oscillation in rat aorta. <i>Life Sciences</i> , 1995 , 56, PL129-34	6.8	5	
29	Theoretical pharmacology: the quantitative identification of receptors. <i>Trends in Pharmacological Sciences</i> , 1981 , 2, 231-234	13.2	5	

28	Estimation of the dissociation constant of naloxone in the naive and morphine-tolerant guinea-pig isolated ileum: analysis by the constrained Schild plot. <i>Life Sciences</i> , 1982 , 31, 1691-4	6.8	5
27	Effects of drug combinations on smooth muscle cell proliferation: an isobolographic analysis. <i>European Journal of Pharmacology</i> , 2006 , 532, 38-43	5.3	4
26	Control and stability of ligand receptor interaction in the presence of a competitive compound. <i>Life Sciences</i> , 1991 , 48, PL19-24	6.8	4
25	Purification and properties of the uracil DNA glycosylase from Bloom's syndrome. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1991 , 1097, 299-308	6.9	4
24	On the quantitation of an agonist with dual but opposing components of action: application to vascular endothelial relaxation. <i>European Journal of Pharmacology</i> , 2011 , 670, 204-7	5.3	3
23	Extraction and measurement of morphine: correlation of brain level and s.c. dose in drug-naive and morphine-tolerant rats. <i>Life Sciences</i> , 1982 , 31, 2299-302	6.8	3
22	Capsaicin and nitric oxide synthase inhibitor interact to evoke a hypothermic synergy. <i>Neuroscience Letters</i> , 2006 , 409, 41-6	3.3	2
21	Commentary on neostigmine interactions with non steroidal anti-inflammatory drugs by Miranda et al. <i>British Journal of Pharmacology</i> , 2002 , 135, 1589-90	8.6	2
20	The association of age and current world cancer mortality rates in relation to a century of cancer deaths in the U.S. <i>Life Sciences</i> , 1993 , 53, PL459-64	6.8	2
19	The effect of lowered extracellular Na+ concentration on ultraviolet light-induced relaxation of vasoconstricted rabbit isolated thoracic aorta. <i>Life Sciences</i> , 1992 , 51, PL249-54	6.8	2
18	Determination of the functional dissociation constant of a partial agonist by comparison with a higher efficacy agonist. <i>Journal of Pharmacological Methods</i> , 1991 , 25, 11-8		2
17	Drug Binding and Drug Effect 1979 , 111-136		2
16	'Null method' determination of drug biophase concentration. <i>Pharmaceutical Research</i> , 2012 , 29, 637-4	2 4.5	1
15	Modified 'Joyce model' of opioid dependence/withdrawal. <i>European Journal of Pharmacology</i> , 2006 , 551, 54-7	5.3	1
14	Determination of the drug-receptor dissociation constant of endothelin-1 using photorelaxation of rabbit isolated thoracic aorta. <i>Life Sciences</i> , 1993 , 53, PL33-8	6.8	1
13	Current and historical mortality from cancer and cardiovascular disease in relation to age: U.S. and world values. <i>Life Sciences</i> , 1994 , 56, PL51-PL62	6.8	1
12	Additive and superadditive vasodilating combinations of diltiazem and glyceryl trinitrate in isolated rabbit aorta. <i>Drug Development Research</i> , 1992 , 25, 171-179	5.1	1
11	Theoretical basis for the determination of the molecularity of drug-receptor reactions and affinity of agonists. <i>BioSystems</i> , 1968 , 2, 249-53	1.9	1

Dose-Effect Relations 1988, 18-30 10 1 Isolated Preparations: DoseResponse Data 1979, 137-170 9 Modulation of Morphine Analgesia, Antinociceptive Tolerance, and Mu-Opioid Receptor Binding by 8 5.6 the Cannabinoid CB2 Receptor Agonist O-1966.. Frontiers in Pharmacology, 2022, 13, 803331 Response to Comments on Bobolographic Analysis for Combinations of a Full and Partial Agonist: 4.7 Curved Isoboles Journal of Pharmacology and Experimental Therapeutics, 2006, 316, 479-479 6 The widespread use of the geometric mean. Trends in Pharmacological Sciences, 1988, 9, 158 13.2 Effects of a CB1 receptor antagonist and 5-HT2C receptor agonist alone and in combination on 0.9 motivation for palatable food: a dose-addition analysis study in mice. FASEB Journal, 2007, 21, A781 Pharmacodynamics: The Interaction of Drugs with Receptors 1988, 151-197 3.6 Future directions. Advances in Experimental Medicine and Biology, 2010, 678, 165-7 Adolescent drug use: altered dopamine feedback control. FASEB Journal, 2011, 25, 1083.8 0.9 Using dose-equivalence theory to quantify endothelial function. FASEB Journal, 2011, 25, lb351 0.9