Dasiel Oscar Borroto Escuela

List of Publications by Year in Descending Order

416 papers	25,156 citations	80 h-index	140 g-index
426 ext. papers	26,869 ext. citations	4.5 avg, IF	6.59 L-index

#	Paper	IF	Citations
416	The integrative role of G protein-coupled receptor heterocomplexes in Parkinson's disease.. *Neural Regeneration Research*, **2022**, 17, 2211-2212	4.5	
415	Intranasal Delivery of Galanin 2 and Neuropeptide Y1 Agonists Enhanced Spatial Memory Performance and Neuronal Precursor Cells Proliferation in the Dorsal Hippocampus in Rats.. *Frontiers in Pharmacology*, **2022**, 13, 820210	5.6	1
414	Increased density and antagonistic allosteric interactions in A2AR-D2R heterocomplexes in extinction from cocaine use, lost in cue induced reinstatement of cocaine seeking.. *Pharmacology Biochemistry and Behavior*, **2022**, 215, 173375	3.9	
413	Dysfunctional Heteroreceptor Complexes as Novel Targets for the Treatment of Major Depressive and Anxiety Disorders. *Cells*, **2022**, 11, 1826	7.9	0
412	Galanin and Neuropeptide Y Interaction Enhances Proliferation of Granule Precursor Cells and Expression of Neuroprotective Factors in the Rat Hippocampus with Consequent Augmented Spatial Memory. *Biomedicines*, **2022**, 10, 1297	4.8	1
411	Molecular Integration in Adenosine Heteroreceptor Complexes Through Allosteric and De-Phosphorylation (STEP) Mechanisms and its Role in Brain Disease.. *Frontiers in Pharmacology*, **2021**, 12, 781381	5.6	2
410	Galanin(1-15) Potentiates the Antidepressant-like Effects Induced by Escitalopram in a Rat Model of Depression. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
409	The Balance of MU-Opioid, Dopamine D2 and Adenosine A2A Heteroreceptor Complexes in the Ventral Striatal-Pallidal GABA Antireward Neurons May Have a Significant Role in Morphine and Cocaine Use Disorders. *Frontiers in Pharmacology*, **2021**, 12, 627032	5.6	5
408	Adenosine and Kynurenic Acid Interactions: Possible Relevance for Schizophrenia Treatment?. *Frontiers in Pharmacology*, **2021**, 12, 654426	5.6	2
407	Galanin and neuropeptide Y interactions elicit antidepressant activity linked to neuronal precursor cells of the dentate gyrus in the ventral hippocampus. *Journal of Cellular Physiology*, **2021**, 236, 3565-3578	7	5
406	Molecular, biochemical and behavioural evidence for a novel oxytocin receptor and serotonin 2C receptor heterocomplex. *Neuropharmacology*, **2021**, 183, 108394	5.5	7
405	The Role of Central Serotonin Neurons and 5-HT Heteroreceptor Complexes in the Pathophysiology of Depression: A Historical Perspective and Future Prospects. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	19
404	Serotonin Heteroreceptor Complexes and Their Integration of Signals in Neurons and Astroglia-Relevance for Mental Diseases. *Cells*, **2021**, 10,	7.9	3
403	The coming together of allosteric and phosphorylation mechanisms in the molecular integration of A2A heteroreceptor complexes in the dorsal and ventral striatal-pallidal GABA neurons. *Pharmacological Reports*, **2021**, 73, 1096-1108	3.9	4
402	GALANIN (1-15) ENHANCES THE BEHAVIORAL EFFECTS OF FLUOXETINE IN THE OLFACTORY BULBECTOMY RAT SUGGESTING A NEW AUGMENTATION STRATEGY IN DEPRESSION. *International Journal of Neuropsychopharmacology*, **2021**,	5.8	1
401	Adenosine AReceptors in Substance Use Disorders: A Focus on Cocaine. *Cells*, **2020**, 9,	7.9	9
400	Acute cocaine treatment enhances the antagonistic allosteric adenosine A2A-dopamine D2 receptor-receptor interactions in rat dorsal striatum without increasing significantly extracellular dopamine levels. *Pharmacological Reports*, **2020**, 72, 332-339	3.9	6

399	Evidence for the existence of A2AR-TrkB heteroreceptor complexes in the dorsal hippocampus of the rat brain: Potential implications of A2AR and TrkB interplay upon ageing. *Mechanisms of Ageing and Development*, **2020**, 190, 111289	5.6	3
398	Dual disruption of aldehyde dehydrogenases 1 and 3 promotes functional changes in the glutathione redox system and enhances chemosensitivity in nonsmall cell lung cancer. *Oncogene*, **2020**, 39, 2756-2771	9.2	23
397	Multiple Adenosine-Dopamine (A2A-D2 Like) Heteroreceptor Complexes in the Brain and Their Role in Schizophrenia. *Cells*, **2020**, 9,	7.9	13
396	Existence of FGFR1-5-HT1AR heteroreceptor complexes in hippocampal astrocytes. Putative link to 5-HT and FGF2 modulation of hippocampal gamma oscillations. *Neuropharmacology*, **2020**, 170, 108070	5.5	13
395	OSU-6162, a Sigma1R Ligand in Low Doses, Can Further Increase the Effects of Cocaine Self-Administration on Accumbal D2R Heteroreceptor Complexes. *Neurotoxicity Research*, **2020**, 37, 433-444	4.3	6
394	On the G Protein-Coupled Receptor Neuromodulation of the Claustrum. *Neurochemical Research*, **2020**, 45, 5-15	4.6	4
393	Conventional and Novel Pharmacological Approaches to Treat Dopamine-Related Disorders: Focus on Parkinson's Disease and Schizophrenia. *Neuroscience*, **2020**, 439, 301-318	3.9	9
392	Can Allosteric Receptor-Protein Interactions in Receptor Complexes Be a Molecular Mechanism Involved in Cancer Immune Therapy?. *Frontiers in Endocrinology*, **2019**, 10, 574	5.7	
391	Increased Ethanol Consumption and Locomotion Develop upon Ethanol Deprivation in Rats Overexpressing the Adenosine (A) Receptor. *Neuroscience*, **2019**, 418, 133-148	3.9	2
390	Oligomeric Receptor Complexes and Their Allosteric Receptor-Receptor Interactions in the Plasma Membrane Represent a New Biological Principle for Integration of Signals in the CNS. *Frontiers in Molecular Neuroscience*, **2019**, 12, 230	6.1	17
389	Galanin (1-15)-fluoxetine interaction in the novel object recognition test. Involvement of 5-HT1A receptors in the prefrontal cortex of the rats. *Neuropharmacology*, **2019**, 155, 104-112	5.5	10
388	Role of the galanin N-terminal fragment (1-15) in anhedonia: Involvement of the dopaminergic mesolimbic system. *Journal of Psychopharmacology*, **2019**, 33, 737-747	4.6	6
387	Attenuation of Oxytocin and Serotonin 2A Receptor Signaling through Novel Heteroreceptor Formation. *ACS Chemical Neuroscience*, **2019**, 10, 3225-3240	5.7	14
386	Acute Cocaine Enhances Dopamine DR Recognition and Signaling and Counteracts DR Internalization in Sigma1R-DR Heteroreceptor Complexes. *Molecular Neurobiology*, **2019**, 56, 7045-7055	6.2	8
385	Potentiation of cannabinoid signaling in microglia by adenosine A receptor antagonists. *Glia*, **2019**, 67, 2410-2423	9	24
384	Heterodimerization of Mu Opioid Receptor Protomer with Dopamine D Receptor Modulates Agonist-Induced Internalization of Mu Opioid Receptor. *Biomolecules*, **2019**, 9,	5.9	8
383	Desipramine restores the alterations in circadian entrainment induced by prenatal exposure to glucocorticoids. *Translational Psychiatry*, **2019**, 9, 263	8.6	1
382	Differential allosteric modulation within dopamine DR - neurotensin NTS1R and DR - serotonin 5-HTR receptor complexes gives bias to intracellular calcium signalling. *Scientific Reports*, **2019**, 9, 16312	4.9	11

381	Coimmunoprecipitation (co-IP) Analysis for Protein-Protein Interactions in the Neurons of the Cerebral Ganglia of the Land Snails of the Genus Polymita During Aestivation. *Neuromethods*, **2019**, 147-156	0.4	
380	Isolation and Detection of G Protein-Coupled Receptor (GPCR) Heteroreceptor Complexes in Rat Brain Synaptosomal Preparation Using a Combined Brain Subcellular Fractionation/Co-immunoprecipitation (Co-IP) Procedures. *Neuromethods*, **2019**, 123-135	0.4	
379	Co-immunoprecipitation (Co-IP) of G Protein-Coupled Receptor (GPCR)-Receptor Tyrosine Kinase (RTK) Complexes from the Dorsal Hippocampus of the Rat Brain. *Neuromethods*, **2019**, 157-164	0.4	1
378	A2AR Transmembrane 2 Peptide Administration Disrupts the A2AR-A2AR Homoreceptor but Not the A2AR-D2R Heteroreceptor Complex: Lack of Actions on Rodent Cocaine Self-Administration. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	3
377	Adenosine heteroreceptor complexes in the basal ganglia are implicated in Parkinson's disease and its treatment. *Journal of Neural Transmission*, **2019**, 126, 455-471	4.3	24
376	Central administration of galanin N-terminal fragment 1-15 decreases the voluntary alcohol intake in rats. *Addiction Biology*, **2019**, 24, 76-87	4.6	4
375	Disruption of A2AR-D2R Heteroreceptor Complexes After A2AR Transmembrane 5 Peptide Administration Enhances Cocaine Self-Administration in Rats. *Molecular Neurobiology*, **2018**, 55, 7038-7048	6.2	34
374	Differential activation of arginine-vasopressin receptor subtypes in the amygdaloid modulation of anxiety in the rat by arginine-vasopressin. *Psychopharmacology*, **2018**, 235, 1015-1027	4.7	6
373	Receptor-heteromer mediated regulation of endocannabinoid signaling in activated microglia. Role of CB and CB receptors and relevance for Alzheimer's disease and levodopa-induced dyskinesia. *Brain, Behavior, and Immunity*, **2018**, 67, 139-151	16.6	65
372	Dopamine D Receptor Supersensitivity as a Spectrum of Neurotoxicity and Status in Psychiatric Disorders. *Journal of Pharmacology and Experimental Therapeutics*, **2018**, 366, 519-526	4.7	12
371	Adenosine Receptors as a Paradigm to Identify Dimer/Oligomers of G-Protein-Coupled Receptors and as Targets in Parkinson Disease and Schizophrenia **2018**, 239-258		
370	Analysis and Quantification of GPCR Allosteric Receptor Receptor Interactions Using Radioligand Binding Assays: The A2AR-D2R Heteroreceptor Complex Example. *Neuromethods*, **2018**, 1-14	0.4	
369	Methods to Identify the Signature of Trimers Formed by Three G Protein-Coupled Receptors or by Two G Protein-Coupled and One Ionotropic Receptor with Special Emphasis in the Functional Role in the Central Nervous System. *Neuromethods*, **2018**, 187-203	0.4	1
368	Brain Dopamine Transmission in Health and Parkinson's Disease: Modulation of Synaptic Transmission and Plasticity Through Volume Transmission and Dopamine Heteroreceptors. *Frontiers in Synaptic Neuroscience*, **2018**, 10, 20	3.5	27
367	A Novel Integrative Mechanism in Anxiolytic Behavior Induced by Galanin 2/Neuropeptide Y Y1 Receptor Interactions on Medial Paracapsular Intercalated Amygdala in Rats. *Frontiers in Cellular Neuroscience*, **2018**, 12, 119	6.1	6
366	Understanding the Role of Adenosine A2AR Heteroreceptor Complexes in Neurodegeneration and Neuroinflammation. *Frontiers in Neuroscience*, **2018**, 12, 43	5.1	31
365	Receptor?Receptor Interactions in Multiple 5-HT1A Heteroreceptor Complexes in Raphe-Hippocampal 5-HT Transmission and Their Relevance for Depression and Its Treatment. *Molecules*, **2018**, 23,	4.8	25
364	Transcriptomic integration of DR and MOR signaling in the rat caudate putamen. *Scientific Reports*, **2018**, 8, 7337	4.9	4

363	Glutamate heteroreceptor complexes in the brain. *Pharmacological Reports*, **2018**, 70, 936-950	3.9	19
362	Effects of Long-Term Alcohol Drinking on the Dopamine D2 Receptor: Gene Expression and Heteroreceptor Complexes in the Striatum in Rats. *Alcoholism: Clinical and Experimental Research*, **2018**, 42, 338-351	3.7	38
361	Use of Superfused Synaptosomes to Understand the Role of ReceptorReceptor Interactions as Integrative Mechanisms in Nerve Terminals from Selected Brain Region. *Neuromethods*, **2018**, 41-55	0.4	0
360	Analysis and Quantification of GPCR Heteroreceptor Complexes and Their Allosteric ReceptorReceptor Interactions Using Radioligand Binding Autoradiography. *Neuromethods*, **2018**, 15-23	0.4	
359	Searching the GPCR Heterodimer Network (GPCR-hetnet) Database for Information to Deduce the ReceptorReceptor Interface and Its Role in the Integration of Receptor Heterodimer Functions. *Neuromethods*, **2018**, 283-298	0.4	
358	On the Study of D4R-MOR ReceptorReceptor Interaction in the Rat Caudate Putamen: Relevance on Morphine Addiction. *Neuromethods*, **2018**, 25-39	0.4	
357	Detection of Fibroblast Growth Factor Receptor 1 (FGFR1) Transactivation by Muscarinic Acetylcholine Receptors (mAChRs) in Primary Neuronal Hippocampal Cultures Through Use of Biochemical and Morphological Approaches. *Neuromethods*, **2018**, 57-70	0.4	
356	Behavioral Methods to Study the Impact of ReceptorReceptor Interactions in Fear and Anxiety. *Neuromethods*, **2018**, 109-131	0.4	
355	In Vivo Microdialysis Technique Applications to Understand the Contribution of ReceptorReceptor Interactions to the Central Nervous System Signaling. *Neuromethods*, **2018**, 91-107	0.4	
354	Detection, Analysis, and Quantification of GPCR Homo- and Heteroreceptor Complexes in Specific Neuronal Cell Populations Using the In Situ Proximity Ligation Assay. *Neuromethods*, **2018**, 299-315	0.4	3
353	Electrophysiological Approach to GPCRRTK Interaction Study in Hippocampus of Adult Rats. *Neuromethods*, **2018**, 71-90	0.4	2
352	Small Interference RNA Knockdown Rats in Behavioral Functions: GALR1/GALR2 Heteroreceptor in Anxiety and Depression-Like Behavior. *Neuromethods*, **2018**, 133-148	0.4	3
351	Adenosine A receptor ligand recognition and signaling is blocked by A receptors. *Oncotarget*, **2018**, 9, 13593-13611	3.3	55
350	Effects of intra-accumbal or intra-prefrontal cortex microinjections of adenosine 2A receptor ligands on responses to cocaine reward and seeking in rats. *Psychopharmacology*, **2018**, 235, 3509-3523	4.7	7
349	A2AR-D2R Heteroreceptor Complexes in Cocaine Reward and Addiction. *Trends in Pharmacological Sciences*, **2018**, 39, 1008-1020	13.2	31
348	Mapping the Interface of a GPCR Dimer: A Structural Model of the A Adenosine and D Dopamine Receptor Heteromer. *Frontiers in Pharmacology*, **2018**, 9, 829	5.6	45
347	Neuronal adenosine A receptor overexpression is neuroprotective towards 3-nitropropionic acid-induced striatal toxicity: a rat model of Huntington's disease. *Purinergic Signalling*, **2018**, 14, 235-243	3.8	8
346	Dopamine D receptor stimulation prevents nigrostriatal dopamine pathway activation by morphine: relevance for drug addiction. *Addiction Biology*, **2017**, 22, 1232-1245	4.6	21

345	Is There Volume Transmission Along Extracellular Fluid Pathways Corresponding to the Acupuncture Meridians?. *JAMS Journal of Acupuncture and Meridian Studies*, **2017**, 10, 5-19	1.2	3
344	The neuropeptides Galanin and Galanin(1-15) in depression-like behaviours. *Neuropeptides*, **2017**, 64, 39-45	3.3	20
343	Cocaine self-administration specifically increases A2AR-D2R and D2R-sigma1R heteroreceptor complexes in the rat nucleus accumbens shell. Relevance for cocaine use disorder. *Pharmacology Biochemistry and Behavior*, **2017**, 155, 24-31	3.9	41
342	Galanin (1-15) enhancement of the behavioral effects of Fluoxetine in the forced swimming test gives a new therapeutic strategy against depression. *Neuropharmacology*, **2017**, 118, 233-241	5.5	27
341	Existence of muscarinic acetylcholine receptor (mAChR) and fibroblast growth factor receptor (FGFR) heteroreceptor complexes and their enhancement of neurite outgrowth in neural hippocampal cultures. *Biochimica Et Biophysica Acta - General Subjects*, **2017**, 1861, 235-245	4	30
340	Cocaine modulates allosteric D-[illegible]receptor-receptor interactions on dopamine and glutamate nerve terminals from rat striatum. *Cellular Signalling*, **2017**, 40, 116-124	4.9	19
339	Existence of Brain 5-HT1A-5-HT2A Isoreceptor Complexes with Antagonistic Allosteric Receptor-Receptor Interactions Regulating 5-HT1A Receptor Recognition. *ACS Omega*, **2017**, 2, 4779-4789	3.9	34
338	Heteroreceptor Complexes Implicated in Parkinson[illegible] Disease **2017**, 477-501		1
337	A2A-D2 receptor-receptor interaction modulates gliotransmitter release from striatal astrocyte processes. *Journal of Neurochemistry*, **2017**, 140, 268-279	6	38
336	Diversity and bias through dopamine D2R heteroreceptor complexes. *Current Opinion in Pharmacology*, **2017**, 32, 16-22	5.1	22
335	IL1R2, CCR2, and CXCR4 May Form Heteroreceptor Complexes with NMDAR and D2R: Relevance for Schizophrenia. *Frontiers in Psychiatry*, **2017**, 8, 24	5	6
334	Understanding the Role of GPCR Heteroreceptor Complexes in Modulating the Brain Networks in Health and Disease. *Frontiers in Cellular Neuroscience*, **2017**, 11, 37	6.1	82
333	Disturbances in the FGFR1-5-HT1A Heteroreceptor Complexes in the Raphe-Hippocampal 5-HT System Develop in a Genetic Rat Model of Depression. *Frontiers in Cellular Neuroscience*, **2017**, 11, 309	6.1	18
332	Role of iso-receptors in receptor-receptor interactions with a focus on dopamine iso-receptor complexes. *Reviews in the Neurosciences*, **2016**, 27, 1-25	4.7	21
331	Purinergic signaling in Parkinson's disease. Relevance for treatment. *Neuropharmacology*, **2016**, 104, 161-8	5.5	46
330	Alterations in ventral and dorsal striatal allosteric A2AR-D2R receptor-receptor interactions after amphetamine challenge: Relevance for schizophrenia. *Life Sciences*, **2016**,	6.8	9
329	Signaling in dopamine D2 receptor-oxytocin receptor heterocomplexes and its relevance for the anxiolytic effects of dopamine and oxytocin interactions in the amygdala of the rat. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2016**, 1862, 2075-2085	6.9	30
328	Galanin (1-15) enhances the antidepressant effects of the 5-HT1A receptor agonist 8-OH-DPAT: involvement of the raphe-hippocampal 5-HT neuron system. *Brain Structure and Function*, **2016**, 221, 4491-4504	4	35

327	Striatal adenosine-cannabinoid receptor interactions in rats over-expressing adenosine A2A receptors. *Journal of Neurochemistry*, **2016**, 136, 907-17	6	20
326	The multi-facet aspects of cell sentience and their relevance for the integrative brain actions: role of membrane protein energy landscape. *Reviews in the Neurosciences*, **2016**, 27, 347-63	4.7	3
325	Cocaine self-administration differentially affects allosteric A2A-D2 receptor-receptor interactions in the striatum. Relevance for cocaine use disorder. *Pharmacology Biochemistry and Behavior*, **2016**, 144, 85-91	3.9	31
324	Neurotensin: A role in substance use disorder?. *Journal of Psychopharmacology*, **2016**, 30, 112-27	4.6	23
323	Multiple D2 heteroreceptor complexes: new targets for treatment of schizophrenia. *Therapeutic Advances in Psychopharmacology*, **2016**, 6, 77-94	4.9	44
322	Galanin receptor 2-neuropeptide Y Y1 receptor interactions in the dentate gyrus are related with antidepressant-like effects. *Brain Structure and Function*, **2016**, 221, 4129-4139	4	14
321	FGFR1-5-HT1A Heteroreceptor Complexes: Implications for Understanding and Treating Major Depression. *Trends in Neurosciences*, **2016**, 39, 5-15	13.3	33
320	Heteroreceptor Complexes and their Allosteric Receptor-Receptor Interactions as a Novel Biological Principle for Integration of Communication in the CNS: Targets for Drug Development. *Neuropsychopharmacology*, **2016**, 41, 380-2	8.7	43
319	Volume transmission and receptor-receptor interactions in heteroreceptor complexes: understanding the role of new concepts for brain communication. *Neural Regeneration Research*, **2016**, 11, 1220-3	4.5	29
318	Co-immunoprecipitation from Brain. *Neuromethods*, **2016**, 19-29	0.4	4
317	In Situ Proximity Ligation Assay to Study and Understand the Distribution and Balance of GPCR Homo- and Heteroreceptor Complexes in the Brain. *Neuromethods*, **2016**, 109-124	0.4	21
316	Role of D 2 -like Heteroreceptor Complexes in the Effects of Cocaine, Morphine, and Hallucinogens **2016**, 93-101		
315	Understanding the Functional Plasticity in Neural Networks of the Basal Ganglia in Cocaine Use Disorder: A Role for Allosteric Receptor-Receptor Interactions in A2A-D2 Heteroreceptor Complexes. *Neural Plasticity*, **2016**, 2016, 4827268	3.3	27
314	Functional role of striatal A2A, D2, and mGlu5 receptor interactions in regulating striatopallidal GABA neuronal transmission. *Journal of Neurochemistry*, **2016**, 138, 254-64	6	31
313	Telocytes in their context with other intercellular communication agents. *Seminars in Cell and Developmental Biology*, **2016**, 55, 9-13	7.5	18
312	Characterization of the interaction between the dopamine D4 receptor, KLHL12 and □arrestins. *Cellular Signalling*, **2016**, 28, 1001-14	4.9	6
311	Participation of protein kinases in cytotoxic and proapoptotic effects of ethylene glycol ethers and their metabolites in SH-SY5Y cells. *Toxicology in Vitro*, **2016**, 36, 153-163	3.6	3
310	On the role of A□A and D□receptors in control of cocaine and food-seeking behaviors in rats. *Psychopharmacology*, **2015**, 232, 1767-78	4.7	30

309	On the role of adenosine (A)2A receptors in cocaine-induced reward: a pharmacological and neurochemical analysis in rats. *Psychopharmacology*, **2015**, 232, 421-35	4.7	26
308	The triplet puzzle theory indicates extensive formation of heteromers between opioid and chemokine receptor subtypes. *Journal of Neural Transmission*, **2015**, 122, 1509-14	4.3	5
307	Volume Transmission in Central Dopamine and Noradrenaline Neurons and Its Astroglial Targets. *Neurochemical Research*, **2015**, 40, 2600-14	4.6	64
306	Enhancement of the FGFR1 signaling in the FGFR1-5-HT1A heteroreceptor complex in midbrain raphe 5-HT neuron systems. Relevance for neuroplasticity and depression. *Biochemical and Biophysical Research Communications*, **2015**, 463, 180-6	3.4	31
305	Basimglurant for treatment of major depressive disorder: a novel negative allosteric modulator of metabotropic glutamate receptor 5. *Expert Opinion on Investigational Drugs*, **2015**, 24, 1247-60	5.9	29
304	Evidence for the existence of FGFR1-5-HT1A heteroreceptor complexes in the midbrain raphe 5-HT system. *Biochemical and Biophysical Research Communications*, **2015**, 456, 489-93	3.4	40
303	Galanin receptor 2-neuropeptide Y Y1 receptor interactions in the amygdala lead to increased anxiolytic actions. *Brain Structure and Function*, **2015**, 220, 2289-301	4	18
302	In vitro effects of cocaine on tunneling nanotube formation and extracellular vesicle release in glioblastoma cell cultures. *Journal of Molecular Neuroscience*, **2015**, 55, 42-50	3.3	26
301	Increase of the FGFR1 signaling in the FGFR1-5-HT1A heteroreceptor complex in midbrain raphe 5-HT neuron systems via allosteric receptor-receptor interaction. *SpringerPlus*, **2015**, 4,		2
300	Evidence for the existence of the A2A-A1 heteroreceptor complex in the rat brain, and comparison of its distribution to that of the A2A-A2A homoreceptor complex. *SpringerPlus*, **2015**, 4,		78
299	Evidence for the existence of dopamine D2R and Sigma 1 allosteric receptor-receptor interaction in the rat brain: role in brain plasticity and cocaine action. *SpringerPlus*, **2015**, 4,		9
298	Classic and Modern Meridian Studies: A Review of Low Hydraulic Resistance Channels along Meridians and Their Relevance for Therapeutic Effects in Traditional Chinese Medicine. *Evidence-based Complementary and Alternative Medicine*, **2015**, 2015, 410979	2.3	10
297	The role of transmitter diffusion and flow versus extracellular vesicles in volume transmission in the brain neural-glial networks. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2015**, 370,	5.8	78
296	The zinc binding receptor GPR39 interacts with 5-HT1A and GalR1 to form dynamic heteroreceptor complexes with signaling diversity. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2015**, 1852, 2585-92	6.9	23
295	Dopamine heteroreceptor complexes as therapeutic targets in Parkinson's disease. *Expert Opinion on Therapeutic Targets*, **2015**, 19, 377-98	6.4	58
294	G-protein-coupled receptor type A heteromers as an emerging therapeutic target. *Expert Opinion on Therapeutic Targets*, **2015**, 19, 265-83	6.4	31
293	Acute isoproterenol induces anxiety-like behavior in rats and increases plasma content of extracellular vesicles. *Physiology and Behavior*, **2015**, 142, 79-84	3.5	6
292	On the Role of the Balance of GPCR Homo/ Heteroreceptor Complexes in the Brain **2015**, 2, 36-44		22

291	A role for galanin N-terminal fragment (1-15) in anxiety- and depression-related behaviors in rats. *International Journal of Neuropsychopharmacology*, **2014**, 18,	5.8	34
290	Preferential activation by galanin 1-15 fragment of the GalR1 protomer of a GalR1-GalR2 heteroreceptor complex. *Biochemical and Biophysical Research Communications*, **2014**, 452, 347-53	3.4	32
289	Moonlighting proteins and protein-protein interactions as neurotherapeutic targets in the G protein-coupled receptor field. *Neuropsychopharmacology*, **2014**, 39, 131-55	8.7	78
288	Extracellular-vesicle type of volume transmission and tunnelling-nanotube type of wiring transmission add a new dimension to brain neuro-glial networks. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2014**, 369,	5.8	46
287	Information handling by the brain: proposal of a new "paradigm" involving the roamer type of volume transmission and the tunneling nanotube type of wiring transmission. *Journal of Neural Transmission*, **2014**, 121, 1431-49	4.3	13
286	Dopamine D2 heteroreceptor complexes and their receptor-receptor interactions in ventral striatum: novel targets for antipsychotic drugs. *Progress in Brain Research*, **2014**, 211, 113-39	2.9	34
285	Hallucinogenic 5-HT2AR agonists LSD and DOI enhance dopamine D2R protomer recognition and signaling of D2-5-HT2A heteroreceptor complexes. *Biochemical and Biophysical Research Communications*, **2014**, 443, 278-84	3.4	63
284	Adenosine (A)(2A)receptor modulation of nicotine-induced locomotor sensitization. A pharmacological and transgenic approach. *Neuropharmacology*, **2014**, 81, 318-26	5.5	17
283	Life without glutamate: the epigenetic effects of glutamate deletion. *Frontiers in Molecular Neuroscience*, **2014**, 7, 14	6.1	
282	Dopamine D1 and D2 receptor immunoreactivities in the arcuate-median eminence complex and their link to the tubero-infundibular dopamine neurons. *European Journal of Histochemistry*, **2014**, 58, 2400	2.1	14
281	Dopamine D□receptor counteracts morphine-induced changes in □ opioid receptor signaling in the striosomes of the rat caudate putamen. *International Journal of Molecular Sciences*, **2014**, 15, 1481-98	6.3	13
280	The G protein-coupled receptor heterodimer network (GPCR-HetNet) and its hub components. *International Journal of Molecular Sciences*, **2014**, 15, 8570-90	6.3	103
279	Potential of caveolae in the therapy of cardiovascular and neurological diseases. *Frontiers in Physiology*, **2014**, 5, 370	4.6	13
278	Diversity and Bias through Receptor-Receptor Interactions in GPCR Heteroreceptor Complexes. Focus on Examples from Dopamine D2 Receptor Heteromerization. *Frontiers in Endocrinology*, **2014**, 5, 71	5.7	41
277	G-protein-coupled receptors oligomerization: emerging signaling units and new opportunities for drug design. *Current Protein and Peptide Science*, **2014**, 15, 648-58	2.8	8
276	Adenosine A2A-D2 receptor-receptor interactions in putative heteromers in the regulation of the striato-pallidal gaba pathway: possible relevance for parkinson's disease and its treatment. *Current Protein and Peptide Science*, **2014**, 15, 673-80	2.8	15
275	Neurotensin NTS1-dopamine D2 receptor-receptor interactions in putative receptor heteromers: relevance for Parkinson's disease and schizophrenia. *Current Protein and Peptide Science*, **2014**, 15, 681-90	2.8	18
274	Role of dimerization in dopamine D(4) receptor biogenesis. *Current Protein and Peptide Science*, **2014**, 15, 659-65	2.8	2

273	Interactions between cholinergic and fibroblast growth factor receptors in brain trophism and plasticity. *Current Protein and Peptide Science*, **2014**, 15, 691-702	2.8	16
272	"Neuro-semeiotics" and "free-energy minimization" suggest a unified perspective for integrative brain actions: focus on receptor heteromers and Roamer type of volume transmission. *Current Protein and Peptide Science*, **2014**, 15, 703-18	2.8	6
271	Volume Transmission and the Russian-Doll Organization of Brain Cell Networks: Aspects of Their Integrative Actions **2014**, 103-119		5
270	Effects of cocaine self-administration and extinction on D2 -like and A2A receptor recognition and D2 -like/Gi protein coupling in rat striatum. *Addiction Biology*, **2013**, 18, 455-66	4.6	30
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