S Mechiel Korte

List of Publications by Year in Descending Order

112 papers	9,277 citations	44 h-index	95 g-index
114 ext. papers	10,140 ext. citations	4.2 avg, IF	5.7 L-index

#	Paper	IF	Citations
112	Juvenile Arthritis Patients Suffering from Chronic Inflammation Have Increased Activity of Both IDO and GTP-CH1 Pathways But Decreased BH4 Efficacy: Implications for Well-Being, Including Fatigue, Cognitive Impairment, Anxiety, and Depression. *Pharmaceuticals*, **2019**, 12,	5.2	13
111	Fatigue in inflammatory rheumatic disorders: pathophysiological mechanisms. *Rheumatology*, **2019**, 58, v35-v50	3.9	14
110	Bacterial Lipopolysaccharide Increases Serotonin Metabolism in Both Medial Prefrontal Cortex and Nucleus Accumbens in Male Wild Type Rats, but Not in Serotonin Transporter Knockout Rats. *Pharmaceuticals*, **2018**, 11,	5.2	9
109	Brain monoamine levels and behaviour of young and adult chickens genetically selected on feather pecking. *Behavioural Brain Research*, **2017**, 327, 11-20	3.4	26
108	The 5-HT-receptor agonist eltoprazine increases both catecholamine release in the prefrontal cortex and dopamine release in the nucleus accumbens and decreases motivation for reward and "waiting" impulsivity, but increases "stopping" impulsivity. *European Journal of Pharmacology*, **2017**, 794, 257-269	5.3	11
107	Stress and laterality - The comparative perspective. *Physiology and Behavior*, **2016**, 164, 321-9	3.5	57
106	The links between chronic obstructive pulmonary disease and comorbid depressive symptoms: role of IL-2 and IFN-□*Clinical and Experimental Medicine*, **2016**, 16, 493-502	4.9	13
105	The many different faces of major depression: it is time for personalized medicine. *European Journal of Pharmacology*, **2015**, 753, 88-104	5.3	36
104	Dietary long chain n-3 polyunsaturated fatty acids prevent impaired social behaviour and normalize brain dopamine levels in food allergic mice. *Neuropharmacology*, **2015**, 90, 15-22	5.5	19
103	The role of oxytocin in male and female reproductive behavior. *European Journal of Pharmacology*, **2015**, 753, 209-28	5.3	96
102	The olfactory bulbectomy model in mice and rat: one story or two tails?. *European Journal of Pharmacology*, **2015**, 753, 105-13	5.3	35
101	Food allergy and food-based therapies in neurodevelopmental disorders. *Pediatric Allergy and Immunology*, **2014**, 25, 218-26	4.2	39
100	The neuro-immune axis: prospect for novel treatments for mental disorders. *Basic and Clinical Pharmacology and Toxicology*, **2014**, 114, 128-36	3.1	21
99	Autistic-like behavioural and neurochemical changes in a mouse model of food allergy. *Behavioural Brain Research*, **2014**, 261, 265-74	3.4	44
98	Intestinal inflammation in a murine model of autism spectrum disorders. *Brain, Behavior, and Immunity*, **2014**, 37, 240-7	16.6	59
97	Serotonin release in the caudal nidopallium of adult laying hens genetically selected for high and low feather pecking behavior: an in vivo microdialysis study. *Behavioural Brain Research*, **2014**, 268, 81-7	3.4	8
96	Lipopolysaccharide increases degradation of central monoamines: an in vivo microdialysis study in the nucleus accumbens and medial prefrontal cortex of mice. *European Journal of Pharmacology*, **2014**, 725, 55-63	5.3	29

95	Relations between peripheral and brain serotonin measures and behavioural responses in a novelty test in pigs. *Physiology and Behavior*, **2013**, 118, 88-96	3.5	23
94	Lipopolysaccharide-induced anhedonia is abolished in male serotonin transporter knockout rats: an intracranial self-stimulation study. *Brain, Behavior, and Immunity*, **2013**, 29, 98-103	16.6	38
93	Systemic tumor necrosis factor-alpha decreases brain stimulation reward and increases metabolites of serotonin and dopamine in the nucleus accumbens of mice. *Behavioural Brain Research*, **2013**, 253, 191-5	3.4	36
92	Effects of feather pecking phenotype (severe feather peckers, victims and non-peckers) on serotonergic and dopaminergic activity in four brain areas of laying hens (Gallus gallus domesticus). *Physiology and Behavior*, **2013**, 120, 77-82	3.5	26
91	Selection for low mortality in laying hens affects catecholamine levels in the arcopallium, a brain area involved in fear and motor regulation. *Behavioural Brain Research*, **2013**, 257, 54-61	3.4	17
90	P.2.026 Pro-inflammatory cytokines induce anhedonia in mice and increase monoamine transporter activity in the nucleus accumbens. *European Neuropsychopharmacology*, **2013**, 23, S47-S48	1.2	2
89	The triple reuptake inhibitor DOV 216,303 induces long-lasting enhancement of brain reward activity as measured by intracranial self-stimulation in rats. *European Journal of Pharmacology*, **2012**, 693, 51-6	5.3	12
88	P.2.007 Lipolysaccharide-induced changes in brain stimulation reward: anhedonia or sickness behaviour?. *European Neuropsychopharmacology*, **2011**, 21, S39-S40	1.2	2
87	The potential and limitations of DOV 216,303 as a triple reuptake inhibitor for the treatment of major depression: a microdialysis study in olfactory bulbectomized rats. *Pharmacology Biochemistry and Behavior*, **2011**, 97, 444-52	3.9	21
86	Pathways underlying the gut-to-brain connection in autism spectrum disorders as future targets for disease management. *European Journal of Pharmacology*, **2011**, 668 Suppl 1, S70-80	5.3	119
85	Triple reuptake inhibitors for treating subtypes of major depressive disorder: the monoamine hypothesis revisited. *Expert Opinion on Investigational Drugs*, **2011**, 20, 1107-30	5.9	71
84	Stress revisited: a critical evaluation of the stress concept. *Neuroscience and Biobehavioral Reviews*, **2011**, 35, 1291-301	9	858
83	The novel triple reuptake inhibitor JZAD-IV-22 exhibits an antidepressant pharmacological profile without locomotor stimulant or sensitization properties. *Journal of Pharmacology and Experimental Therapeutics*, **2010**, 335, 762-70	4.7	23
82	The effects of acute tryptophan depletion on affective behaviour and cognition in Brown Norway and Sprague Dawley rats. *Journal of Psychopharmacology*, **2010**, 24, 605-14	4.6	30
81	Effects of chronic stress: a comparison between tethered and loose sows. *Physiology and Behavior*, **2010**, 100, 154-64	3.5	32
80	5-HT1A receptor blockade reverses GABA(A) receptor alpha3 subunit-mediated anxiolytic effects on stress-induced hyperthermia. *Psychopharmacology*, **2010**, 211, 123-30	4.7	9
79	The putative antidepressant DOV 216,303, a triple reuptake inhibitor, increases monoamine release in the prefrontal cortex of olfactory bulbectomized rats. *European Journal of Pharmacology*, **2010**, 633, 55-61	5.3	20
78	Stress-induced hyperthermia is reduced by rapid-acting anxiolytic drugs independent of injection stress in rats. *Pharmacology Biochemistry and Behavior*, **2009**, 93, 413-8	3.9	20

77	On the origin of allostasis and stress-induced pathology in farm animals: celebrating Darwin's legacy. *Veterinary Journal*, **2009**, 182, 378-83	2.5	21
76	Feather damaging behaviour in parrots: A review with consideration of comparative aspects. *Applied Animal Behaviour Science*, **2009**, 121, 75-95	2.2	89
75	Antidepressant effects of pramipexole, a dopamine D3/D2 receptor agonist, and 7-OH-DPAT, a dopamine D3 receptor agonist, in olfactory bulbectomized rats. *European Journal of Pharmacology*, **2009**, 616, 134-40	5.3	49
74	SSR149415, a non-peptide vasopressin V1b receptor antagonist, has long-lasting antidepressant effects in the olfactory bulbectomy-induced hyperactivity depression model. *Naunyn-Schmiedeberg's Archives of Pharmacology*, **2009**, 379, 101-6	3.4	24
73	Dissociating anxiolytic and sedative effects of GABAAergic drugs using temperature and locomotor responses to acute stress. *Psychopharmacology*, **2009**, 204, 299-311	4.7	33
72	Olfactory bulbectomy induces rapid and stable changes in basal and stress-induced locomotor activity, heart rate and body temperature responses in the home cage. *Neuroscience*, **2009**, 159, 39-46	3.9	38
71	The benzodiazepine brotizolam reduces fear in calves exposed to a novel object test. *Physiology and Behavior*, **2009**, 96, 307-14	3.5	17
70	Stress-induced hyperthermia and infection-induced fever: two of a kind?. *Physiology and Behavior*, **2009**, 98, 37-43	3.5	56
69	Surplus dietary tryptophan inhibits stress hormone kinetics and induces insulin resistance in pigs. *Physiology and Behavior*, **2009**, 98, 402-10	3.5	21
68	Emotional reactivity and cognitive performance in aversively motivated tasks: a comparison between four rat strains. *Behavioral and Brain Functions*, **2009**, 5, 50	4.1	41
67	Dopamine and serotonin release in the nucleus accumbens during starvation-induced hyperactivity. *European Neuropsychopharmacology*, **2009**, 19, 309-16	1.2	42
66	Translational aspects of pharmacological research into anxiety disorders: the stress-induced hyperthermia (SIH) paradigm. *European Journal of Pharmacology*, **2008**, 585, 407-25	5.3	79
65	Repeated social defeat in female pigs does not induce neuroendocrine symptoms of depression, but behavioral adaptation. *Physiology and Behavior*, **2008**, 93, 453-60	3.5	14
64	The triple monoaminergic reuptake inhibitor DOV 216,303 has antidepressant effects in the rat olfactory bulbectomy model and lacks sexual side effects. *European Neuropsychopharmacology*, **2008**, 18, 908-16	1.2	45
63	Acute tryptophan depletion dose dependently impairs object memory in serotonin transporter knockout rats. *Psychopharmacology*, **2008**, 200, 243-54	4.7	36
62	A new animal welfare concept based on allostasis. *Physiology and Behavior*, **2007**, 92, 422-8	3.5	177
61	Chicks from a high and low feather pecking line of laying hens differ in apomorphine sensitivity. *Physiology and Behavior*, **2005**, 84, 471-7	3.5	27
60	Surplus dietary tryptophan reduces plasma cortisol and noradrenaline concentrations and enhances recovery after social stress in pigs. *Physiology and Behavior*, **2005**, 85, 469-78	3.5	69

59	Responses of calves to acute stress: individual consistency and relations between behavioral and physiological measures. *Physiology and Behavior*, **2005**, 85, 557-70	3.5	113
58	Evaluation of oral administration of cortisol as a model for prenatal stress in pregnant sows. *American Journal of Veterinary Research*, **2005**, 66, 780-90	1.1	21
57	Long-term effects of social stress on brain and behavior: a focus on hippocampal functioning. *Neuroscience and Biobehavioral Reviews*, **2005**, 29, 83-97	9	225
56	The Darwinian concept of stress: benefits of allostasis and costs of allostatic load and the trade-offs in health and disease. *Neuroscience and Biobehavioral Reviews*, **2005**, 29, 3-38	9	792
55	The control of feather pecking by serotonin. *Behavioral Neuroscience*, **2004**, 118, 575-83	2.1	59
54	Feather pecking in laying hens: new insights and directions for research?. *Applied Animal Behaviour Science*, **2004**, 86, 291-298	2.2	63
53	Chronic increase of dietary l-tryptophan decreases gentle feather pecking behaviour. *Applied Animal Behaviour Science*, **2004**, 89, 71-84	2.2	53
52	A robust animal model of state anxiety: fear-potentiated behaviour in the elevated plus-maze. *European Journal of Pharmacology*, **2003**, 463, 163-75	5.3	202
51	Mapping quantitative trait loci affecting feather pecking behavior and stress response in laying hens. *Poultry Science*, **2003**, 82, 1215-22	3.9	78
50	The development of feather pecking behaviour and targeting of pecking in chicks from a high and low feather pecking line of laying hens. *Applied Animal Behaviour Science*, **2002**, 77, 183-196	2.2	40
49	Adrenocortical reactivity and central serotonin and dopamine turnover in young chicks from a high and low feather-pecking line of laying hens. *Physiology and Behavior*, **2002**, 75, 653-9	3.5	94
48	Stress responses during milking; comparing conventional and automatic milking in primiparous dairy cows. *Journal of Dairy Science*, **2002**, 85, 3206-16	4	61
47	Corticosteroids in relation to fear, anxiety and psychopathology. *Neuroscience and Biobehavioral Reviews*, **2001**, 25, 117-42	9	459
46	Effects of social stress on heart rate and heart rate variability in growing pigs. *Canadian Journal of Animal Science*, **2000**, 80, 273-280	0.9	28
45	Effects of rearing conditions on behavioural and physiological responses of pigs to preslaughter handling and mixing at transport. *Canadian Journal of Animal Science*, **2000**, 80, 451-458	0.9	31
44	The amount of free corticosterone is increased during lipopolysaccharide-induced fever. *Life Sciences*, **2000**, 66, 553-62	6.8	17
43	Effects of environmental enrichment on behavioral responses to novelty, learning, and memory, and the circadian rhythm in cortisol in growing pigs. *Physiology and Behavior*, **2000**, 68, 571-8	3.5	180
42	Farm animal welfare research in interaction with society. *Veterinary Quarterly*, **2000**, 22, 217-22	8	14

41	Heart rate variability during manual restraint in chicks from high- and low-feather pecking lines of laying hens. *Physiology and Behavior*, **1999**, 65, 649-52	3.5	81
40	Fear-potentiation in the elevated plus-maze test depends on stressor controllability and fear conditioning. *Stress*, **1999**, 3, 27-40	3	34
39	High carbon dioxide tension (PCO2) and the incidence of cardiac arrhythmias in rapidly growing broiler chickens. *Veterinary Record*, **1999**, 145, 40-3	0.9	28
38	Coping styles in animals: current status in behavior and stress-physiology. *Neuroscience and Biobehavioral Reviews*, **1999**, 23, 925-35	9	1964
37	Housing familiar male wildtype rats together reduces the long-term adverse behavioural and physiological effects of social defeat. *Psychoneuroendocrinology*, **1999**, 24, 285-300	5	225
36	Corticosterone modifies muscarinic receptor immunoreactivity in rat hippocampus. *Neuroscience Letters*, **1999**, 268, 41-4	3.3	5
35	Y chromosomal and sex effects on the behavioral stress response in the defensive burying test in wild house mice. *Physiology and Behavior*, **1999**, 67, 579-85	3.5	17
34	Mixing induces long-term hyperthermia in growing pigs. *Animal Science*, **1999**, 69, 601-605		12
33	Neuroprotection against N-methyl-D-aspartate-induced excitotoxicity in rat magnocellular nucleus basalis by the 5-HT1A receptor agonist 8-OH-DPAT. *European Journal of Pharmacology*, **1998**, 358, 147-52	5.3	42
32	Repeated blockade of mineralocorticoid receptors, but not of glucocorticoid receptors impairs food rewarded spatial learning. *Psychoneuroendocrinology*, **1998**, 23, 33-44	5	60
31	Studies of stress in farm animals. *Comparative Haematology International*, **1998**, 8, 94-101		22
30	Effects of strawbedding on physiological responses to stressors and behavior in growing pigs. *Physiology and Behavior*, **1998**, 64, 303-10	3.5	115
29	Genetic control of susceptibility for renal damage in hypertensive fawn-hooded rats. *Renal Failure*, **1998**, 20, 407-11	2.9	13
28	Plasma catecholamine and corticosterone levels during manual restraint in chicks from a high and low feather pecking line of laying hens. *Physiology and Behavior*, **1997**, 62, 437-41	3.5	151
27	Stress hormones, genotype, and brain organization. Implications for aggression. *Annals of the New York Academy of Sciences*, **1996**, 794, 179-91	6.5	26
26	Potential anxiolytic properties of R-(+)-8-OSO2CF3-PAT, a 5-HT 1A receptor agonist. *European Journal of Pharmacology*, **1996**, 297, 205-11	5.3	20
25	Antisense to the glucocorticoid receptor in hippocampal dentate gyrus reduces immobility in forced swim test. *European Journal of Pharmacology*, **1996**, 301, 19-25	5.3	76
24	Adrenaline release by the 5-HT1A receptor agonist 8-OH-DPAT is partly responsible for pituitary activation. *European Journal of Pharmacology*, **1996**, 309, 281-6	5.3	4

23	The neurobiology of the central nucleus of the amygdala in relation to neuroendocrine and autonomic outflow. *Progress in Brain Research*, **1996**, 107, 447-60	2.9	49
22	Behavioral stress response of genetically selected aggressive and nonaggressive wild house mice in the shock-probe/defensive burying test. *Pharmacology Biochemistry and Behavior*, **1996**, 54, 113-6	3.9	91
21	Mineralocorticoid and glucocorticoid receptor antagonists in animal models of anxiety. *Pharmacology Biochemistry and Behavior*, **1996**, 54, 261-7	3.9	49
20	Enhanced 5-HT1A receptor expression in forebrain regions of aggressive house mice. *Brain Research*, **1996**, 736, 338-43	3.7	118
19	Blockade of corticosterone synthesis reduces serotonin turnover in the dorsal hippocampus of the rat as measured by microdialysis. *Journal of Neuroendocrinology*, **1996**, 8, 877-81	3.8	39
18	Forebrain pathways and their behavioural interactions with neuroendocrine and cardiovascular function in the rat. *Clinical and Experimental Pharmacology and Physiology*, **1996**, 23, 177-82	3	25
17	Anxiolytic-like effects of selective mineralocorticoid and glucocorticoid antagonists on fear-enhanced behavior in the elevated plus-maze. *Psychoneuroendocrinology*, **1995**, 20, 385-94	5	133
16	Socially defeated male rats display a blunted adrenocortical response to a low dose of 8-OH-DPAT. *European Journal of Pharmacology*, **1995**, 272, 45-50	5.3	33
15	Social defeat impairs plasma corticosterone response to the 5-HT1A agonist 8-OH-DPAT in the rat. *Annals of the New York Academy of Sciences*, **1994**, 746, 426-8	6.5	1
14	Life-spanning behavioural and adrenal dysfunction induced by prenatal hypoxia in the rat is prevented by the calcium antagonist nimodipine. *European Journal of Neuroscience*, **1994**, 6, 746-53	3.5	27
13	Effect of corticotropin-releasing factor antagonist on behavioral and neuroendocrine responses during exposure to defensive burying paradigm in rats. *Physiology and Behavior*, **1994**, 56, 115-20	3.5	59
12	Central actions of corticotropin-releasing hormone (CRH) on behavioral, neuroendocrine, and cardiovascular regulation: brain corticoid receptor involvement. *Hormones and Behavior*, **1993**, 27, 167-83	3.7	60
11	Mesencephalic cuneiform nucleus and its ascending and descending projections serve stress-related cardiovascular responses in the rat. *Journal of the Autonomic Nervous System*, **1992**, 41, 157-76		78
10	Conditioned neuroendocrine and cardiovascular stress responsiveness accompanying behavioral passivity and activity in aged and in young rats. *Physiology and Behavior*, **1992**, 51, 815-22	3.5	65
9	Neuroendocrine and behavioral responses during conditioned active and passive behavior in the defensive burying/probe avoidance paradigm: effects of ipsapirone. *Physiology and Behavior*, **1992**, 52, 355-61	3.5	57
8	Adrenal hormones in rats before and after stress-experience: effects of ipsapirone. *Physiology and Behavior*, **1992**, 51, 1129-33	3.5	11
7	Behavioral and cardiac responses after intracerebroventricular corticotropin-releasing hormone (CRH) administration: role of adrenal cortical hormones. *Hormones and Behavior*, **1992**, 26, 375-84	3.7	20
6	Involvement of hypothalamic serotonin in activation of the sympathoadrenomedullary system and hypothalamo-pituitary-adrenocortical axis in male Wistar rats. *European Journal of Pharmacology*, **1991**, 197, 225-8	5.3	45

5	Neuroendocrine Evidence for Hypersensitivity in Serotonergic Neuronal System after Psychosocial Stress of Defeat **1991**, 199-203		7
4	Behavioural physiology of serotonergic and steroid-like anxiolytics as antistress drugs. *Neuroscience and Biobehavioral Reviews*, **1990**, 14, 529-34	9	17
3	The effect of ipsapirone on behavioural and cardiac responses in the shock-probe/defensive burying test in male rats. *European Journal of Pharmacology*, **1990**, 181, 307-10	5.3	35
2	Anxiolytics and stress-induced behavioural and cardiac responses: a study of diazepam and ipsapirone (TVX Q 7821). *European Journal of Pharmacology*, **1990**, 179, 393-401	5.3	28
1	Behavioral and neuroendocrine response to psychosocial stress in male rats: the effects of the 5-HT 1A agonist ipsapirone. *Hormones and Behavior*, **1990**, 24, 554-67	3.7	39