

### 8 Literaturverzeichnis

- (Adl81) Adler RJ, "The geometry of random fields", Wiley New York 1981
- (Alt79) Altura BM, Ogunkoya A, Gebrewold A, Altura BT. "Effects of ethanol on terminal arterioles and muscular venules: direct observations on the microcirculation", *J Cardiovasc Pharmacol.* 1 (1979), pp. 97-113
- (Alt83) Altura BM, Altura BT, Gebrewold A, "Alcohol-induced spasms of cerebral blood vessels: relation to cerebrovascular accidents and sudden death", *Science* 220 (1983), pp. 331-333
- (Alt90) Altura BM, Altura BT, Gebrewold A, "Comparative effects of ethanol, acetaldehyde and acetate on arterioles and venules in skeletal muscle: direct in situ studies on the microcirculation and their possible relationship to alcoholic myopathy.", *Microcirc Endothelium Lymphatics* 6 (1990), pp. 107-126
- (Amu94) Amunts K, Schlaug G, Schleicher A, Steinmetz H, Dabringhaus A, Roland PE, Zilles K, "Asymmetry in the human motor cortex and handedness.", *Neuroimage* 4 (1996), pp. 216-222
- (Ash94) Ashe J, Georgopoulos AP, "Movement parameters and neural activity in motor cortex and area 5", *Cereb. Cortex* 4 (1994), pp. 590-600
- (Bar03) Bartholow BD, Pearson M, Sher KJ, Wieman LC, Fabiani M, Gratton G, "Effects of alcohol consumption and alcohol susceptibility on cognition: a psychophysiological examination.", *Biological Psychology* 64 (2003), 167-190
- (Bau96) Baudendistel K, Schad LR, Wenz F, Essig M, Schroder J, Jahn T, Knopp MV, Lorenz WJ, "Monitoring of task performance during functional magnetic resonance imaging of sensorimotor cortex at 1.5 T", *Magn. Reson. Imaging* 14 (1996), pp. 51-58
- (Bel91) Belliveau, J. W., Kennedy D. N. Jr., McKinstry, R. C., Buchbinder, B. R., Weisskopf, R. M., Cohen, M. S., et al. (1991). *Functional mapping of the human visual cortex by magnetic resonance imaging. Science*, 254:716-719.
- (Bli96) Blinkenberg M, Bonde C, Holm S, Svarer C, Andersen J, Paulson OB, Law I, Rate dependence of regional cerebral activation during performance of a repetitive motor task: a PET study. *J. Cereb. Blood Flow Metab.* 16 (1996), pp. 794–803
- (Bre97) Breiter HC, Gollub RL, Weisskoff RM, Kennedy DN, Makris N, Berke JD, Goodman JM, Kantor HL, Gastfriend DR, Riorden JP, Mathew RT, Rosen BR, Hyman SE,

- “Acute effects of cocaine on human brain activity and emotion.”, *Neuron* 19 (1997), pp. 591-611
- (Bro82) Brown T, Kincaid B, Ugurbil K, "NMR chemical shift imaging in three dimensions“, *Proceedings of the National Academy of Science*. 79 (1982), pp. 3532-3540
- (Bri94) Brizzolara AL, Morris DG, Burnstock G, "Ethanol affects sympathetic cotransmission and endothelium-dependent relaxation in the rat“, *Eur J Pharmacol*. 254 (1994), pp. 175-181
- (Bru94) Bruhn H, Kleinschmidt A, Boecker H, Merboldt KD, Hanicke W, Frahm J, The effect of acetazolamide on regional cerebral blood oxygenation at rest and under stimulation as assessed by MRI. *J Cereb Blood Flow Metab*. 14 (1994), pp.742-8
- (Bux97) Buxton RB, Frank LR, "A model for the coupling between cerebral blood flow and oxygen metabolism during neural stimulation“, *J. Cereb. Blood Flow Metab*. 17 (1997), pp. 64-72
- (Che97) Chen YC, Galpern WR, Brownell AL, Matthews RT, Bogdanov M, Isacson O, Keltner JR, Beal MF, Rosen BR, Jenkins BG, Detection of dopaminergic neurotransmitter activity using pharmacologic MRI: correlation with PET, microdialysis, and behavioral data. *Magn Reson Med* 38 (1997), pp.389-398
- (Cho97) Cholet N, Seylaz J, Lacombe P, Bonvento G, "Local uncoupling of the cerebrovascular and metabolic responses to somatosensory stimulation after neuronal nitric oxide synthase inhibition“, *J. Cereb. Blood Flow Metab*. 17 (1997), pp. 1191-1201
- (Cho96) Cholet N, Bonvento G, Seylaz J, "Effect of neuronal NO synthase inhibition on the cerebral vasodilatory response to somatosensory stimulation“, *Brain Res*. 708 (1996), pp. 197-200
- (Coh99) Cohen MS, DuBois RM, Stability, repeatability, and the expression of signal magnitude in functional magnetic resonance imaging. *Journal of Magnetic Resonance Imaging* 10 (1999), pp. 33-40
- (Cri89) Criscione L, Powell JR, Burdet R, Engesser S, Schlager F, Schoepfer A, “Alcohol suppresses endothelium-dependent relaxation in rat mesenteric vascular beds.”, *Hypertension* 13 (1989), pp. 964-967
- (Dav90) Davis WL, Crawford LA, Cooper OJ, Farmer GR, Thomas DL, Freeman BL, “Ethanol induces the generation of reactive free radicals by neural crest cells in vitro.”, *J Craniofac Gen Dev Biol*. 10 (1990), pp. 277-293

- (Dav03) D Davies M, The role of GABAA receptors in mediating the effects of alcohol in the central nervous system. *Psychiatry Neurosci.* 28 (2003), pp. 263-74
- (Dop99) Dopico AM, Chu B, Lemos JR, Treistman SN., „Alcohol modulation of calcium-activated potassium channels.“, *Neurochem Int.* 35 (1999),pp. 103-106
- (Dop03) Dopico AM, “ Ethanol sensitivity of BK(Ca) channels from arterial smooth muscle does not require the presence of the beta 1-subunit.“, *Am J Physiol Cell Physiol.* 284 (2003), pp 1468-1480
- (Elb95) Elbert T, Pantev C, Wienbruch C, Rockstroh B, Taub E, "Increased cortical representation of the fingers of the left hand in string players“, *Science* 270 (1995), pp. 305-307
- (Far92) Faraci FM, "Regulation of the cerebral circulation by endothelium“, *Pharmacol Ther.* 56 (1992), pp. 1-22
- (Far91) Faraci FM, "Role of endothelium-derived relaxing factor in cerebral circulation: large arteries vs. microcirculation“, *Am J Physiol.* 261 (1991), pp. 1038-1042
- (Far93) Faraci FM, Breese KR, "Nitric oxide mediates vasodilatation in response to activation of N-methyl-D-aspartate receptors in brain“, *Circ Res.* 72 (1993), pp. 476-480
- (Far94) Faraci FM, Brian JE, "Nitric oxide and the cerebral circulation“, *Stroke* 25 (1994), pp. 692-703
- (Far90) Farzaneh F, Riederer SJ, Pelc NJ, “Analysis of T2 limitations and off-resonance effects on spatial resolution and artifacts in echo-planar imaging.“, *Magn Reson Med.* 14 (1990), pp 123-139
- (Fil99) Fillmore MT, Vogel-Sprott M, „An alcohol model of impaired inhibitory control and its treatment in humans“, *Exp Clin Psychopharmacol.* 7 (1999), pp. 49-55
- (Fon01) Fonseca LL, Alves PM, Carrondo MJ, Santos H, Effect of ethanol on the metabolism of primary astrocytes studied by (13)C- and (31)P-NMR spectroscopy. *J Neurosci Res.* 66 (2001), pp. 803-811.
- (Fox88) Fox PT, Raichle ME, Mintun MA, Dence C, "Nonoxidative glucose consumption during focal physiologic neural activity“, *Science* 241 (1988), pp. 462-464
- (Fox86) Fox PT, Raichle ME, "Focal physiological uncoupling of cerebral blood flow and oxidative metabolism during somatosensory stimulation in human subjects“, *Proc. Natl Acad. Sci. USA* 83 (1986), pp. 1140-1144
- (Fri91) Friston KJ, Frith CD, Liddle PF, Frackowiak RSJ, "Comparing functional (PET) images: the assessment of significant change“, *J. Cereb. Blood Flow Metab.* 11 (1991), pp. 690-699

- (Fri94) Friston KJ, Worsley KJ, Frackowiak RSJ, Mazziotta JC, Evans AC, "Assessing the significance of focal activations using their spatial extent", *Hum. Brain Mapp.* 1 (1994), pp. 214-220
- (Fri95a) Friston KJ, Frith, Turner R, Frackowiak RS, Characterizing evoked hemodynamics with fMRI. *Neuroimage* 2 (1995), pp. 157–165
- (Fri95b) Friston KJ, Holmes AP, Poline JB, Grasby PJ, Williman SCR, Frackowiak RSJ, Turner R, Analysis of fMRI time-series revisited. *Neuroimage* 2 (1995), pp. 45–53.
- (Fri95c) Friston KJ, Holmes AP, Worsley KP, Poline JB, Frith CD, Frackowiak RSJ, Statistical parametric maps in functional imaging: a general linear approach. *Hum. Brain Mapp.* 2 (1995), pp. 189–210.
- (Fri95d) Friston KJ, Ashburner J, Poline JB, Frith CD, Heather JD, Frackowiak, "Spatial registration and normalisation of images", *Human Brain Mapping* 2 (1995), pp. 165-189
- (Fri00) Friston KJ, Mechelli A, Turner R, Price JC, "Nonlinear responses in fMRI: the balloon model, volterra kernels, and other hemodynamics", *Neuroimage* 12 (2000), pp. 466-477
- (Fuj92) Fujiwara M, Usui H, Kurahashi K, Jino H, Shirahase H, Mekata F, "Endothelium-dependent contraction produced by acetylcholine and relaxation produced by histamine in monkey basilar arteries", *J Cardiovasc Pharmacol.* 20 (1992), pp. 114-116
- (Fur80) Furchgott RF, Zawadzki JV, "The obligatory role of endothelial cells in the relaxation of arterial smooth muscle by acetylcholine", *Nature* 288 (1980), pp. 373-376
- (Fur84) Furchgott RF, "The role of endothelium in the responses of vascular smooth muscle to drugs", *Annu Rev Pharmacol Toxicol.* 24 (1984), pp. 175-197
- (Fur89) Furchgott RF, Vanhoutte PM, "Endothelium-derived relaxing and contracting
- (Gra01) Grant SA, Millar K, Kenny GN, Blood alcohol concentration and psychomotor effects., *Br. J. Anaesth.* 85 (2001), pp. 401-406
- (Hat89) Hatake K, Wakabayashi I, Kakishita E, Taniguchi T, Ouchi H, Sakaki N, Hishida S, "Inhibitory effect of ethanol on endothelium-dependent vascular responsiveness.", *Eur J Pharmacol.* 168 (1989), pp. 277-283
- (Hat93) Hatake K, Wakabayashi I, Hishida S, "Mechanism of inhibitory action of ethanol on endothelium-dependent relaxation in rat aorta", *Eur J Pharmacol.* 238 (1993), pp. 441-444

- (Hep99) Heptulla R, Anderson AW, Jones TW, Tamborlane WV, Gore J, "Hypoglycemia reduces the fMRI response to visual stimulation in the human brain ", *Diabetes* 48 (1999), pp. ??
- (Hon01) Hong S, Mayhan WG, "Temporal effect of alcohol consumption on reactivity of pial arterioles: role of oxygen radicals ", *Am J Physiol Heart Circ Physiol* 280 (2001), pp. 992-1001
- (Hyd98) Hyder F, Shulman RG, Rothman DL, "A model for the regulation of cerebral oxygen delivery“, *J. Appl. Physiol.* 85 (1998), pp. 554-564
- (Ire84) Ireland MA, Vandongen R, Davidson L, Beilin LJ, Rouse IL, "Acute effects of moderate alcohol consumption on blood pressure and plasma catecholamines“, *Clinical Science*, 66 (1984), pp. 643-648
- (Jän98a) Jäncke L, Peters M, Schlaug G, Posse S, Steinmetz H, Müller-Gärtner HW, Differential magnetic resonance signal change in human sensorimotor cortex to finger movements of different rate of the dominant and subdominant hand. *Cognitive Brain Research* 6 (1998), pp. 279-284
- (Jän98b) Jäncke L, Specht K, Mirzazade S, Loose R, Himmelbach M, Lutz K, Shah NJ, "A parametric analysis of the rate effect in the sensorimotor cortex: a functional magnetic resonance imaging analysis in human subjects“, *Neuroscience Letters* 252 (1998), pp. 37-40
- (Jän00) Jäncke L, Peters M, Himmelbach M, Nösselt T, Shah J, Steinmetz H, "fMRI study of bimanual coordination.“ *Neuropsychologia* 38 (2000), pp. 164-174
- (Jon94) Jones AW, Jonsson KA, Between-subject and within-subject variations in the pharmacokinetics of ethanol. *British Journal of Clinical Pharmacology* 37(1994), pp. 427-431
- (Kaw91) Kawano S, Masuda E, Tsuji S, Nagano K, Fusamoto H, Kamada T, "Ethanol causes vasoconstriction due to endothelin-1 release in rabbit gastric vessels“, *Microvasc Res.* 41 (1991), pp. 408-410
- (Ker93) Kerr D, Stanley JC, Barron M, Thomas R, Leatherdale BA, Pickard J, "Symmetry of cerebral blood flow and cognitive responses to hypoglycaemia in humans“, *Diabetologia* 36 (1993), pp. 36-78
- (Kny92) Knych ET, "Endothelium-dependent tolerance to ethanol-induced contraction of rat aorta: effect of inhibition of EDRF action and nitric oxide synthesis“, *Alcoholism (N Y)* 16 (1992), pp. 58-63

- (Kru94) Krull KR, Smith LT, Parsons OA, "Simple reaction time event-related potentials: effects of alcohol and diazepam", *Prog Neuropsychopharmacol Biol Psychiatry*. 18 (1994), pp. 1247-1260
- (Lea03) Learn JE, Smith DG, McBride WJ, Lumeng L, Li TK, Ethanol effects on local cerebral glucose utilization in high-alcohol-drinking and low-alcohol-drinking rats. *Alcohol*. 29 (2003), pp. 1-9.
- (Lev98) Levin JM, Ross MH, Mendelson JH, Kaufamn, M.J., Lange, N., Maas, L.C., Mello, N.K., Cohen, B.M., Renshaw, P.M., Reduction in BOLD fMRI response to primary visual stimulation following alcohol ingestion, *Psychiatry Research* 82 (1998), pp.135-146
- (Lew70) Lewis EG, Dustman RE and Beck EC, The effects of alcohol on visual and somatosensory evoked responses., *Electroencephalography and Clinical Neurophysiology* 28 (1970), pp. 202-205
- (Lit99) Little HJ, The contribution of electrophysiology to knowledge of the acute and chronic effects of ethanol. *Pharmacol Ther*. 84 (1999), pp. 333-53.
- (Liu04) Liu P, Xi Q, Ahmed A, Jaggar JH, Dopico AM. Essential role for smooth muscle BK channels in alcohol-induced cerebrovascular constriction. *Proc Natl Acad Sci U S A*. 2004 Dec 28;101(52):18217-22.
- (Lju83) Ljunggren S, "A simple graphical representation of Fourier-based imaging methods", *Journal of Magnetic Resonance* 54 (1983), pp. 338-343
- (Lov99) Lovinger DM, "5-HT<sub>3</sub> receptors and the neural actions of alcohols: an increasingly exciting topic.", *Neurochem Int*. 35 (1999), pp. 125-130
- (Lu99) Lu SM, Yeh HH, "Ethanol modulates AMPA-induced current responses of primary somatosensory cortical neurons.", *Neurochem Int*. 35 (1999), pp. 175-183
- (Luk86) Lukas SE, Mendelson JH, Benedikt RA, Jones B, "EEG alpha activity increases during transient episodes of ethanol-induced euphoria.", *Pharmacology, Biochemistry and Behaviour* 25 (1986), pp. 889-895
- (Luk88) Lukas SE, Mendelson JH, "Electroencephalographic activity and plasma ACTH during ethanol-induced euphoria", *Biological Psychiatry* 23 (1988), pp. 141-148
- (Luk89) Lukas SE, Mendelson JH, Woods BT, Mello NK, Teoh SK, "Topographic distribution of EEG alpha activity during ethanol-induced intoxication in women.", *Journal of Studies on Alcohol* 50 (1989), pp. 176-185

- (Lun99) Lundberg MS, Crow MT, "Age-related changes in the signaling and function of vascular smooth muscle cells.", *Exp. Gerontol.* 34 (1999), pp. 549-557
- (Lus93) Luscher TF, Tanner FC, "Endothelial regulation of vascular tone and growth", *Am J Hypertens.* 6 (1993), pp. 283-293
- (Mag99) Magistretti PJ, Pellerin L, "Cellular mechanisms of brain energy metabolism and their relevance to functional brain imaging", *Phil. Trans. R. Soc. Lond.* 354 (1999), pp. 1155-1163
- (Mar99) Marin J, Rodriguez-Martinez MA, "Age-related changes in vascular responses.", *Exp. Gerontol.* 34 (1999), pp. 503-512
- (Mar90) Marshall JJ, Kontos HA, "Endothelium-derived relaxing factors: a perspective from in vivo data.", *Hypertension* 16 (1990), pp. 371-386
- (May91) Mayhan WG, Simmons LK, Sharpe GM, "Mechanism of impaired responses of cerebral arterioles during diabetes mellitus", *Am J Physiol.* 260 (1991), pp. 319-326
- (May92) Mayhan WG, "Endothelium-dependent responses of cerebral arterioles to adenosine 5'-diphosphate", *J Vasc Res.* 29 (1992), pp. 353-358
- (May95) Mayhan WG, Didion SP, "Acute Effects of Ethanol on Responses of Cerebral Arterioles", *Stroke*, 26 (1995), pp. 2097-2102
- (Maz95) Mazziotta JC, Toga AW, Evans A, Fox P, Lancaster J, "A probabilistic atlas of the human brain: theory and rationale for its development. The International Consortium for Brain Mapping (ICBM)", *Neuroimage* 2 (1995), pp. 89-101
- (Mih99) Mihic SJ, "Acute effects of ethanol on GABAA and glycine receptor function.", *Neurochem Int.* 35 (1999), pp. 115-123
- (Mon88) Moncada S, Palmer RMJ, Higgs EA, "The discovery of nitric oxide as the endogenous nitrovasodilator", *Hypertension* 12 (1988), pp. 365-372
- (Mon91) Moncada S, Palmer RMJ, Higgs EA, "Nitric oxide: physiology, pathophysiology and pharmacology", *Pharmacol Rev.* 43 (1991), pp. 109-142
- (Mye90) Myers PR, Minor RL, Guerra R, Bates JN, Harrison DG, "Vasorelaxant properties of the endothelium-derived relaxing factor more closely resemble S-nitrosocysteine than nitric oxide", *Nature* 345 (1990), pp. 161-163
- (Nar99) Narahashi T, Aistrup GL, Marszalec W, Nagata K., "Neuronal nicotinic acetylcholine receptors: a new target site of ethanol.", *Neurochem Int.* 35 (1999), pp. 131-141
- (Nel84) Nelson TO, Gerler D, Narens L, "Accuracy of feeling-of-knowing judgments for predicting perceptual identification and relearning.", *Journal of Experimental Psychology* 113 (1984), pp. 282-300.

- (Nel86) Nelson TO, McSpadden M, Fromme K, Marlatt GA, "Effects of alcohol intoxication on metamemory and on retrieval from long-term memory." *Journal of Experimental Psychology* 115 (1986), pp. 247-254.
- (Nel98) Nelson TO, Graf A, Dunlosky J, Marlatt A, Walker D, Luce K, "Effect of acute alcohol intoxication on recall and on judgments of learning during the acquisition of new information.", In G. Mazzone and T. O. Nelson, *Metacognition and cognitive neuropsychology*. Hillsdale, NJ: Lawrence Erlbaum. (1998) Pp. 161-180.
- (Net99) Netzeband JG, Trotter C, Caguioa JN, Gruol DL., "Chronic ethanol exposure enhances AMPA-elicited Ca<sup>2+</sup> signals in the somatic and dendritic regions of cerebellar Purkinje neurons.", *Neurochem Int.* 35 (1999), pp. 163-174
- (Nga01) Ngai AC, Winn HR, "Pial arteriole dilation during somatosensory stimulation is not mediated by an increase in CSF metabolites", *Am J Physiol Heart Circ Physiol* 282 (2001), pp. 902-907
- (Nii96) Nii Y, Uematsu S, Lesser RP, Gordon B, "Does the central sulcus divide motor and sensory functions? Cortical mapping of human hand areas as revealed by electrical stimulation through subdural grid electrodes", *Neurology* 46(2) (1996), pp. 360-367
- (Ois95) Oishi M, Mochizuki Y, Hara M, Takasu T, P300 and xenon computed tomography before and after intravenous injection of acetazolamide. *Archives of Neurology* 52 (1995), pp. 850-851
- (Oga90) Ogawa S, Lee TM, Kay AR, Tank DW, "Brain magnetic resonance imaging with contrast dependent on blood oxygenation.", *Proc. Natl. Acad. Sci. (USA)* 87 (1990), pp. 9868-9872
- (Ono90) Ono M, Kubik S, Abernathy MD, „Atlas of Cerebral Sulci” 1990
- (Osh93) Oshita M, Takei Y, Kawano S, Yoshihara H, Hijioka T, Fukui H, Goto M, Masuda E, Nishimura Y, Fusamoto H, Kamada T, "Roles of endothelin-1 and nitric oxide in the mechanism for ethanol-induced vasoconstriction in rat liver", *J Clin Invest.* 91 (1993), pp. 1337-1342
- (Pen69) Penfield WG, Jasper HH, Ward AA, Pope A, *Epilepsy, neurophysiology, and some brain mechanisms related to consciousness*, 1969
- (Pet89a) Peters M, Schwartz S, „Coordination of the two hands and effects of attentional manipulation in the production of a bimanual 2:3 polyrhythm.", *Aust. J. Psychol.* 41 (1989), pp. 215-224
- (Pet89b) Peters M, Servos P, "Performance of subgroups of left-handers and right-handers", *Can. J. Psychol.* 43 (1989), pp. 341-358



- (Pow96) Powers WJ, Hirsch IB, Cryer PE, "Effect of stepped hypoglycemia on regional cerebral blood flow response to physiological brain activation", *Am. J. Physiol.* 270 (1996), pp. 554-559
- (Pur94) Purves D, White LE, Andrews TJ, "Manual asymmetry and handedness", *Proc. Natl. Acad. Sci. U.S.A* 91 (1994), pp. 5030-5032
- (Rao96) Rao SM, Bandettini PA, Binder JR, Bobholz JA, Hammeke TA, Stein EA, Hyde JS, "Relationship between finger movement rate and functional magnetic resonance signal change in human primary motor cortex.", *J. Cereb. Blood Flow Metab.* 16 (1996), pp. 1250-1254
- (Rie03) Riecker A, Grodd W, Klose U, Schulz JB, Groschel K, Erb M, Ackermann H, Kastrup A, "Relation between regional functional MRI activation and vascular reactivity to carbon dioxide during normal aging.", *J Cereb Blood Flow Metab.* 23 (2003), pp. 565-573
- (Rho75) Rhodes LE, Obitz FW, Creel D, Effect of alcohol and task on hemispheric asymmetry of visually evoked potentials in man. *Electroencephalogr Clin Neurophysiol.* 38 (1975), pp. 561-568.
- (Roh88) Rohrbaugh JW, Stapleton JM, Frowein HW, Adinoff B, Varner JL, Lane EA, Eckardt MJ, Linnoila M, "Acute effects of ethanol on motor performance and movement-related brain potentials.", *Adv Alcohol Subst Abuse.* 7 (1988), pp. 53-57
- (Ros91) Rosen, B. R., Belliveau, J. W., Aronen, H. J., Kennedy, D., Buchbinder, B. R., Fischman, A., Gruber, M., Glas, J, Weisskopf, R. M., Cohen, M. S., et al., (1991). Susceptibility contrast imaging of cerebral blood volume: human experience. *Magnetic Resonance in Medicine*, 22(2):293-299.
- (Ros01) Rosenthal JM, Amiel SA, Bullmore E, Hopkins D, Evans M, Pernet A, Reid H, Giampietro V, Andrew CM, Suckling J, Simmons A, Williams SCR, The Effect of Acute Hypoglycemia on Brain Function and Activation A Functional Magnetic Resonance Imaging Study ", *Diabetes* 50 (2001), pp. 1618-1626
- (Rub88) Rubanyi GM, "Vascular effects of oxygen derived free radicals", *Free Radic Biol Med.* 4 (1988), pp.107-120
- (Sab93) Sabatini U, Chollet F, Rascol O, Celsis P, Rascol A, Lenzi GL, Marc JP, "Effect of side and rate of stimulation on cerebral blood flow changes in motor areas during finger movements in humans", *J. Cereb. Blood Flow Metab.* 13 (1993), pp. 639-645

- (Sad96) Sadato N, Ibanez V, Deiber P, Campbell G, Leonardo M, Hallett M, Frequency-dependent changes of regional cerebral blood flow during finger movements. *J. Cereb. Blood Flow Metab.* 16 (1996), pp. 23–33.
- (Sad97) Sadato N, Ibanez V, Campbell G, Deiber MP, Le Bihan D, Hallett M, “Frequency-dependent changes of regional cerebral blood flow during finger movements: functional MRI compared to PET.”, *J Cereb Blood Flow Metab.* 17 (1997),pp. 670-679
- (San93) Sano M, Wendt PE, Wirsen A, Stenberg G, Risberg J, Ingvar DH, Acute effects of alcohol on regional cerebral blood flow in man. *J Stud Alcohol.* 54 (1993) 369-376
- (Say99) Sayette, M.A. (1999). “Cognitive theory and research.” In Leonard, K. & Blane, H. (Eds.), “Psychological theories of drinking and alcoholism” (2nd Ed.) (pp. 247-291). New York, Guilford.
- (Sch96) Schlaug G, SanesJN, Thangaraj V, Darby DG, Jancke L, Edelman RR, Warach S, “Cerebral activation covaries with movement rate.” *NeuroReport* 7 (1996), pp. 879–883
- (Sch03) Schroeter ML, Zysset S, Kruggel F, von Cramon DY, “Age dependency of the hemodynamic response as measured by functional near-infrared spectroscopy.”, *Neuroimage* 19 (2003), pp. 555-564
- (Sch01) Schulte T, Muller-Oehring EM, Strasburger H, Warzel H, Sabel BA, „Acute effects of alcohol on divided and covert attention in men“, *Psychopharmacology* 154 (2001), pp. 61-69
- (Sch92) Schwartz SH, "Retinal differences in light sensitivity", *J. Am. Optom. Assoc.* 63 (1992), pp. 167-168
- (Seid00) Seidl S, Jensen U, Alt A., The calculation of blood ethanol concentrations in males and females. *Int J Legal Med.* 114 (2000), pp. 71-77.
- (Sei00) Seifritz E, Bilecen D, Hanggi DH, Haselhorst R, Radu EW, Wetzel S, Seelig J, Scheffler K, Effect of ethanol on BOLD response to acoustic stimulation: implications for neuropharmacological fMRI, *Psychiatry Research* 99 (2000), pp. 1-13
- (Sei90) Seitz RJ, Roland PE, Bohm C, Greitz T, Stone SE, "Motor learning in man: a positron emission tomographic study“, *NeuroReport* 1 (1990), pp. 17-20
- (Sei92) Seitz RJ, Roland PE, "Learning of sequential finger movements in man: a combined kinematic and positron emission tomography (PET) study“, *Eur. J. Neurosci.* 4 (1992), pp. 154-165

- (Seo03) Seo DO, Rivier C, Interaction between alcohol and nitric oxide on ACTH release in the rat. *Alcohol Clin Exp Res.* 27 (2003), pp. 989-996.
- (Shi95) Shimosegawa, E, Kanno I, Hatazawa J, Fujita H, Iida H, Miura S, Murakami M, Inugami A, Ogawa T, Itoh H, Okudera T, Uemura K, Photic stimulation study of changing the arterial partial pressure level of carbon dioxide. *Journal of Cerebral Blood Flow and Metabolism* 15 (1995), pp. 111-114
- (Ste88) Steele CM, Josephs RA, "Drinking your troubles away. II: An attention-allocation model of alcohol's effect on psychological stress.", *J Abnorm Psychol.* 97 (1988), pp. 196-205
- (Ste94) Stenberg G, Sano M, Rosen I, Ingvar DH, EEG topography of acute ethanol effects in resting and activated normals. *J Stud Alcohol.* 55 (1994), pp. 645-56
- (Ste98) Stein EA, Pankiewicz J, Harsch HH, Cho JK, Fuller SA, Hoffmann RG, Hawkins M, Rao SM, Bandettini PA, Bloom AS, Nicotine-induced limbic cortical activation in the human brain: a functional MRI study. *Am J Psychiatry* 155 (1998), pp. 1009-1015
- (Tal92) Tallroth G, Ryding E, Agardh CD, "Regional cerebral blood flow in normal man during insulin induced hypoglycemia and in the recovery period following glucose infusion", *Metabolism* 41 (1992), pp. 717-721
- (Tam03) Tampier L, Quintanilla ME, Involvement of brain ethanol metabolism on acute tolerance development and on ethanol consumption in alcohol-drinker (UChB) and non-drinker (UChA) rats. *Addict Biol.* 8 (2003), pp. 279-86
- (Toy99) Toykura M, Muro I, Komiya T, Obara M, "Relation of bimanual coordination to activation in the sensorimotor cortex and supplementary motor area: analysis using functional magnetic resonance imaging.", *Brain Res Bull* 15 (1999), pp. 211-217
- (Toy02) Toyokura M, Muro I, Komiya T, Obara M, "Activation of pre-supplementary motor area (SMA) and SMA proper during unimanual and bimanual complex sequences: an analysis using functional magnetic resonance imaging.", *Neuroimaging* 12 (2002), pp. 172-178
- (Twi83) Twieg D, "The k-trajectory formulation of the NMR imaging process with applications in analysis and synthesis of imaging methods", *Medical Physics* 10 (1983), pp. 610-621
- (Twi85) Twieg D, "Acquisition and accuracy in rapid NMR imaging methods", *Magnetic Resonance in Medicine* 2 (1985), pp. 437-452

- (Usu92) Usui H, Kurahashi K, Shirahase H, Jino H, Fujiwara M, "Endothelium-dependent contraction produced by acetylcholine and relaxation produced by histamine in monkey basilar arteries", *Life Sci.* 52 (1992), pp. 377-387
- (Vil97) Villringer A. Understanding functional neuroimaging methods based on neurovascular coupling. *Adv Exp Med Biol.* 1997;413:177-93.
- (Vol88) Volkow ND, Mullani N, Gould L, Adler SS, Guynn RW, Overall JE, Dewey S, Effects of acute alcohol intoxication on cerebral flow measure with PET., *Psychiatry Research* 24 (1988), pp. 201-209
- (Vol90) Volkow ND, Hitzemann R, Wolf AP, Logan J, Fowler JS, Christman D, Dewey SL, Schlyer D, Burr G, Vitkun S, Hirschowitz J, Acute effects of ethanol on regional brain glucose metabolism and transport., *Psychiatry Research* 35 (1990), pp. 39-48
- (Van95) VanMeter JW, Maisog JM, Zeffiro TA, Hallett M, Herscovitch P, Rapoport SI, Parametric analysis of functional neuroimages: application to a variable-rate motor task, *Neuroimage*, 2 (1995) 273-283
- (Vas98) Vasquez-Vivar J, Kalyanaraman B, Martasek P, Hogg N, Masters BSS, Karoui H, Tordo P, Pritchard KA, "Superoxide generation by endothelial nitric oxide synthase: the influence of cofactors", *Proc Natl Acad Sci USA* 95 (1998), pp. 9220-9225
- (Wal99) Walter HJ, Messing RO, "Regulation of neural voltage-gated calcium channels by ethanol.", *Neurochem Int.* 35 (1999), pp. 95-101
- (Wan92) Wang MQ, Taylor-Nicholson ME, Airhihenbuwa CO, Mahoney BS, Fitzhugh EC, Christina R., Psychomotor and visual performance under the time-course effect of alcohol., *Percept Mot Skills* 75 (1992), pp. 95-106
- (War02) Ward ME, Yan L, Mark MD, Angle MDR, "Modulation of Rat Pial Arteriolar Responses to Flow by Glucose", *ANESTHESIOLOGY* 97 (2002), pp. 471-477
- (Wei99) Weight FF, Li C, Peoples RW, "Alcohol action on membrane ion channels gated by extracellular ATP (P2X receptors).", *Neurochem Int.* 35 (1999), pp. 143-152
- (Wen94) Wendt PE, Risberg J, Stenberg G, Rosen I, Ingvar DH, Ethanol reduces asymmetry of visual rCBF responses. *J Cereb Blood Flow Metab.* 14 (1994), pp. 963-973
- (Wen01) Wendt PE, Risberg J, "Ethanol reduces rCBF activation of left dorsolateral prefrontal cortex during a verbal fluency task", *Brain and Language* 77 (2001), pp. 197-215
- (Wex97) Wexler BE, Fulbright RK, Lacadie CM, Skudlarski P, Kelz MB, Constable RT, Gore JC, "An fMRI study of the human cortical motor system response to increasing functional demands", *Magn Reson Imaging.* (1997), pp. 385-96.

- (Whi94) White LE, Lucas G, Richards A, Purves D, "Cerebral asymmetry and handedness", *Nature* 368 (1994), pp. 197-198
- (Whi97) White LE, Andrews TJ, Hulette C, Richards A, Groelle M, Paydarfar D, Purves D, "Structure of the sensorimotor system: II. Lateral symmetry", *Cereb. Cortex* 7 (1997), pp. 31-47
- (Wir99) Wirkner K, Poelchen W, Koles L, Muhlberg K, Scheibler P, Allgaier C, Illes P, „Ethanol-induced inhibition of NMDA receptor channels“, *Neurochem Int.* 35 (1999), pp. 153-162
- (Woo88) Wood WG, Schroeder F, "Membrane effects of ethanol: bulk lipid versus lipid domains“, *Life Sci.* 43 (1988), pp. 467-475
- (Woo99) Woodward JJ, "Ionotropic glutamate receptors as sites of action for ethanol in the brain.", *Neurochem Int.* 35 (1999), pp. 107-113
- (Wor92) Worsley KJ, Evans AC, Marrett S, Neelin P, "A three-dimensional statistical analysis for rCBF activation studies in human brain“, *J Cereb. Blood Flow Metab.* 12 (1992), pp. 900-918
- (Wor96) Worsley KJ, Marrett S, Neelin P, Vandal AC, Friston KJ, Evans AC, "A unified statistical approach or determining significant signals in images of cerebral activation“, *Hum. Brain Mapp.* 4 (1996), pp. 58-73
- (Yan99) Yang X, Criswell HE, Breese GR, "Action of ethanol on responses to nicotine from cerebellar Purkinje neurons: relationship to methyllycaconitine (MLA)", *Neurochem Int.* 35 (1999), pp. 185-194
- (Yon92) Yong T, Gilmore JP, Joyner WL, Mayhan WG, "In vivo responses of allografted cerebral parenchymal arterioles to ethanol and angiotensin, II: effect of calcium channel blockade.", *Int J Microcirc Clin Exp.* 11 (1992), pp. 417-424
- (Zha93) Zhang A, Altura BT, Altura BM, "Ethanol-induced contraction of cerebral arteries in diverse mammals and its mechanism of action“, *Mol Pharmacol Sec.* 248 (1993), pp. 229-246