

## Références d'études sur l'efflux d'ion calcium par le 16 Hz et les fréquences extrêmement basses

Par année de publication

- + = étude positive
- = étude négative
- r = revue
- ✓ = étude détenue in extenso par Annie Lobé

### Celles qui sont référencées dans les études portant sur le 16 Hz

1960. + Konig H, Ankermuller F. Über den einfluss besonders niederfrequenter elektrischer vorgange in der atmosphare auf den menschen. Naturwissenschaften 21 :486-490.
1967. + Friedman HR, Becker O, Bachman CH. Effect of magnetic field on reaction time performance. Nature 213 :949-950.
- 1968.+ Hamer J. Effects of low-level, low-frequency electric fields on human reaction time. Commun. Behav. Biol. A 2(5) Part A:217-222.
1970. + Gavalas RJ, Walter DO, Hamer J, Adey WR. Effect of low-level, low-frequency electric fields on EEG and behavior in Macaca Nemestrina. Brain Res 18 :491-501.
1971. + Konig H. Biological effects of extremely low frequency electrical phenomena in the atmosphere. J Interdiscipl Cyle Res 2 :317-323.
1973. + Bawin SM, Gavalas-Medici RJ, Adey WR. Effects of modulated very high frequency fields on specific brain rhythms in cats. Brain Res 58 :365-384.
1973. + Kaczmarek LK, Adey WR. The efflux of  $^{45}\text{Ca}^{2+}$  and [ $^3\text{H}$ ] $\gamma$ -aminobutyric acid from cat cerebral cortex. Brain Res 63 :331-342.
1973. + Wever R. Human circadian rhythms under the influence of weak electric fields and the different aspects of these studies. Int J Biometeor 17 :227-232.
1974. + Kaczmarek LK, Adey WR. Weak electric gradients change ionic and transmitter fluxes in cortex. Brain Res 66 :537-540.
1975. + Adey WR. Introduction : effects of electromagnetic radiation on the nervous system. Ann NY Acad Sci 247 :15-20.
1975. + Bawin SM, Kaczmarek LK, Adey WR. Effects of modulated VHF on the central nervous system. Ann NY Acad Sci 247 :74-81.
1976. + Bawin SM, Adey WR. Sensitivity of calcium binding in cerebral tissue to weak environmental electric field oscillating at low frequency. Proc Natl Acad Sci USA 73 :1999-2003.

1976. + Galavas-Medici R, Day-Magdaleno SR. Extremely low frequency weak electric fields affect schedule-controlled behavior of monkeys. *Nature (London)* 261 :256-258.
1977. + Bawin SM, Adey WR. Calcium binding in cerebral tissues. In : *Symposium on Biological effects and measurement of radio frequency/microwaves*. Hazzard DG ed. HEW Publication (FDA) 77-8026, Rockville, Maryland, pp. 305-313.
1978. + Bawin SM, Adey WR, Sabbot IM : Ionic factors in release of  $^{45}\text{Ca}^{2+}$  from chicken cerebral tissue by electromagnetic fields. *Proc Natl Acad Sci USA* 75 :6314-6318.
1979. + Adey WR, Neurophysiologic effects of radiofrequency and microwave radiation. *Bull NY Acad Med* 55(11) :1079-1093.
1979. + Blackman CF, Elder JA, Weil CM, Benane SG, Eichinger DC, House DE. Induction of calcium-ion efflux from brain tissue by radio-frequency radiation : Effects of modulation frequency and field strength. *Radio Sci* 14(6S) :93-98.
1979. + Goodman EM, Greenebaum B, Marron T. Bioeffects of extremely low-frequency electromagnetic fields. *Radiat Res* 78 :485-501.
1979. - Sagan PM, Medici RG. Behavior of chicks exposed to low-power 450-MHz fields sinusoidally modulated at EEG frequencies. *Radio Sci* 14(6S)239-245.
1979. + Sheppard AR, Bawin SM, Adey WR : Models of long-range order in cerebral macromolecules : effect of sub-ELF and of modulated VHF and UHF fields. *Radio Sci* 14(6S) : 141-145.
1979. + Takashima S, Onaral B, Schwan HP. Effects of modulated RF energy on the EEG of mammalian brains, *Radiat Environ Biophys* 16 :15-27.
1980. + Adey WR. Frequency and power windowing in tissue interactions with weak electromagnetic fields. *Proc IEEE* 69(1) :119-125.
- ✓ 1980 a. + Blackman CF, Benane SG, Elder JA, House DE, Lampe JA, Faulk JM. Induction of calcium- ion efflux from brain tissue by radio-frequency radiation : Effect of sample number and modulation frequency on the power-density window. *Bioelectromagnetics* 1 :35-43.
- ✓ 1980 b. + Blackman CF, Benane SG, Joines WT, Hollis MA, House DE. Calcium-ion efflux from brain tissue : Power-density versus internal field-intensity dependencies at 50 MHz RF radiation. *Bioelectromagnetics* 1 :277-283.
1980. + Bogdanov Klu, Zacharov SI, Roznshtraukh LV. Change in cell membrane excitability during guinea pig papillary muscle after-contraction. *Fiziol Sh SSSR Im M Sechenova* 1980 Jun :66(6) :859-65. (article en russe)
1980. + Albert E, Blackman C, Slaby F. Calcium dependent secretory protein release and calcium efflux during RF irradiation of rat pancreatic tissue slices. In Berteaud AJ,

- Servantie B (eds.) : « Ondes Électromagnétiques et Biologie » Paris, France : L’Union Radio Scientifique Internationale, pp 325-329.
1980. + Joines WT, Blackman CF. Power density, field intensity, and carrier frequency determinants of RF-energy-induced calcium ion efflux from brain tissue. *Bioelectromagnetics* 1 :271-275.
1981. + Adey WR. Ionic nonequilibrium phenomena in tissue interactions with electromagnetic fields. In : Biological effects of nonionizing radiation, Illinger KH ed., ACS Symposium Series, 157 :271-297.
1981. + Adey WR. Tissue interactions with nonionizing electromagnetic fields. *Physiol Rev* 61(2) :435-514.
1981. + Athey TW. Comparison of RF-induced calcium efflux from chick brain tissue at different frequencies : do the scaled power density windows align ? *Bioelectromagnetics* 2 :407-409.
1981. + Blackman CF, Joines WT, Elder JA. Calcium-ion efflux in brain tissue by radiofrequency radiation. In Illinger KH (ed) : « Biological Effects of Nonionizing Radiation. » Washington : American Chemical Society, pp 299-314.
1981. + Blackman, CF, Joines WT, Elder JA. Calcium ion efflux induction in brain tissue by radiofrequency radiation. . In : Biological effects of nonionizing radiation, Illinger KH ed., ACS Symposium Series 157 :299-314.
1981. + Joines WT, Blackman CF. Equalizing the electric field intensity within chick brain immersed in buffer solution at different carrier frequencies. *Bioelectromagnetics* 2 :271-275
1981. + Joines WT, Blackman CF, Hollis MA. Broadening of the RF power-density window for calcium-ion efflux from brain tissue. *IEEE Trans Biomed Eng* BME-28 :568-573.
1981. Myers RD, Ross DH. Radiation and brain calcium : a review and critique. *Neurosci and Biobehav Rev* 5-503-543.
1981. - Shelton WW, Merritt JH. In vitro study of microwave effects on calcium efflux in rat brain tissue. *Bioelectromagnetics* 2 :161-167.
1981. Weil CM, Joines WT, Kinn JB. Frequency range of large-scale TEM mode rectangular strip lines. *Microwave J* 24(11) :93-100.
1982. + Adey WR, Bawin SM, Lawrence AF. Effects of weak amplitude-modulated microwave fields on calcium efflux from awake cat cerebral cortex. *Bioelectromagnetics* 3 :295-307
1982. + Blackman CF, Benane SG, Kinney LS, Joines WT, House DE. Effects of ELF fields on calcium-ion efflux from brain tissue *in vitro*. *Radiat Res* 92 :510-520.

1982. + Delgado JMR, Leal J, Monteagudo JL, Garcia-Gracia M. Embryological changes induced by weak, extremely low frequency electromagnetic fields . *J Anat* 134 :533-551.
1982. + Dixey R, Rein G.  $^3\text{H}$ -noradrenaline release potentiated in a clonal nerve cell line by low-intensity pulsed magnetic fields. *Nature* 296 :253-256.
1982. + Greengard P, Douglas WW, Nairn AC, Nestler EJ, Ritchie JM. Effects of electromagnetic radiation on calcium in the brain. USAF School of aerospace medicine, Report number SAM-TR-82-15, 113 pp.
1982. + Lin-Liu S, Adey WR. Low frequency amplitude modulated microwave fields change calcium efflux rates from synaptosomes. *Bioelectromagnetics* 3 :309-322.
1982. + Luben RA, Cain CD, Chen MCY, Rosen M, Adey WR. Effects of electromagnetic stimuli on bone and bone cells *in vitro* : inhibition of responses to parathyroid hormone by low-energy low-frequency fields. *Proc Natl Acad Sci USA* 79 :4180-4184.
1982. - Merritt JH, Shelton WW, Chamness AF. Attempts to alter  $^{45}\text{Ca}^{2+}$  binding to brain tissue with pulse-modulated microwave energy. *Bioelectromagnetics* 3 :475-478.
1983. + Blackman CF, Wilson BS. Distribution of label in studies on the effects of nonionizing radiation on the association of calcium ions with brain tissue. Abstract GJ-24, 5<sup>th</sup> Annual scientific session, the Bioelectromagnetic Society, 12-17 July, Boulder, Colorado (available from the Bioelectromagnetics Society, One Bank Street, Suite 307, Gaithersburg, Maryland 20878), p.73.
1983. + Blackman CF, Benane SG, Joines WT, House DE. Effects of ELF fields between 1 and 120 Hz on the efflux of calcium ions from brain tissue, *in vitro*. Abstrac E-8, 5<sup>th</sup> Annual scientific session, the Bioelectromagnetic Society, 12-17 July, Boulder, Colorado (available from the Bioelectromagnetics Society, One Bank Street, Suite 307, Gaithersburg, Maryland 20878), p. 28.
1983. + Goodman R, Bassett CAL, Henderson AS. Pulsing electromagnetic fields induce cellular transcription. *Science* 220 :1283-1285.
1983. + Lyle D, Lundak ; R, Adey WR, Schechter P. Suppression of T-lymphocyte cytotoxicity following exposure to sinusoidally amplitude-modulated fields. *Bioelectromagnetics* 4(3) :281-292.
1983. + Ramirez E, Monteagudo JL, Garcia-Gracia M, Delgado JMR. Oviposition and developement of drosophila modified by magnetic fields. *Bioelectromagnetics* 4 :315-326.
1983. + Schwartz JL, Delorme J, Mealing GAR. Effects of low-frequency amplitude modulated radio-frequency waves on the calcium efflux of the heart. *Biophys J* 41(2, Pt 2) :295a (abstract).

1983. + Ubeda A, Leal J, Trillo MA, Jimenez MA, Delgado JMR. Pulse shape of magnetic fields influences chick embryogenesis. *J Anat* 137 :513-536.
1984. + Blackman CF, Benane SG, House DE, Rabinowitz JR, Joines WT. A role for the magnetic component in the field-induced efflux of calcium ions from brain tissue, Abstract SA-4, 6<sup>th</sup> Annual scientific session, The Bioelectromagnetics Society, 10-14 June, Atlanta, Georgia (available from the Bioelectromagnetics Society, One Bank Street, Suite 307, Gaithersburg, Maryland 20878), p. 2.
- ✓ 1984. + Dutta SK, Subramoniam A, Ghosh B, Parshad R. Microwave radiation-induced calcium ion efflux from human neuroblastoma cells in culture. *Bioelectromagnetics* 5 :71-78.
1984. + Liboff AR, Williams T Jr, Strong DM, Wistar R Jr. Time-varying magnetic fields : effect on DNA synthesis. *Science* 1984 Feb 24 ;223(4638) :818-20.
- ✓ 1984. r Liddle CG, Blackman CF. Biological effects of low frequency modulation of RF radiation. In Elder JA, Cahill DF (eds), *Biological effects of radiofrequency radiation*. EPA-600/8-83-026F, NTIS BP-85-120-848, pp 5-88 – 5-93.
- ✓ 1985 a. + Blackman CF, Benane SG, House DE, Joines WT (1985) : Effects of ELF (1-120 Hz) and modulated (50 Hz) RF fields on the efflux of calcium ions from brain tissue, *in vitro*. *Bioelectromagnetics* 6 :1-11.
- ✓ 1985 b. + Blackman CF, Benane SG, Rabinowitz JR, House DE, Joines WT. A role for the magnetic field in the radiation-induced efflux of calcium ions from brain tissue *in vitro*. *Bioelectromagnetics* 6 :327-337.
1985. r Blackman CF. The biological influences of low-frequency sinusoidal electromagnetic signals alone and superimposed on RF carrier waves. In Chiabrera A, Nicolini C, Schwan HP (eds), *Interaction between electromagnetic fields and cells*. NATO ASI Series A97. New York :Plenum, pp 521-535.
1985. Postow E, Swicord ML. Modulated fields and « window » effects. In : CRC Handbook of biological effects of electromagnetic fields, edt Polk C and Postow E, CRC Press, Boca Raton, FL.
1986. r Blackman CF. Radiobiological approaches to electropollution. In Dutta SK, Millis RM (eds), *Biological effects of electropollution*. Philadelphia : Information Ventures, Inc, pp 39-46.
1986. + Goodman EM, Sharpe PT, Greenebaum B, Marron MT. Pulsed magnetic fields alter the cell surface. *FEBS Lett.* 199(2) :275-278.
1986. + Joines WT, Blackman CF, Spiegel RJ. Specific absorption rate in electrically coupled biological samples between metal plates. *Bioelectromagnetics* 7 :163-176.

1986. + Polk C. Physical mechanisms by which low-frequency magnetic fields can affect the distribution of counterions on cylindrical biological cell surfaces. *J Biol Phys* 1986 14 :3-8.
1987. - Albert EN, Slaby F, Roche J, Loftus J. Effect of amplitude-modulated 147 MHz radiofrequency radiation on calcium ion efflux from avian brain tissue. *Radiat Res* 1987 Jan ;109(1) :19-27.
1987. + Rozek RJ, Sherman ML, Liboff AR, McLeod BR, Smith SD. Nifedipine is an antagonist to cyclotron resonance enhancement of  $^{45}\text{Ca}$  incorporation in human lymphocytes. *Cell Calcium* 1987 Dec ;8(6) :413-27.
1987. + Smith SD, McLeod BR, Liboff AR, Cooksey K. Calcium cyclotron resonance and diatom mobility. *Bioelectromagnetics* 8(3) :215-27.
1987. + Spiegel RJ, Joines WT, Blackman CF, Wood AW. A method for calculating electric and magnetic fields in TEM cells at ELF. *IEEE Trans Electromagnetic Compatibility EMC-29* :265-272.
1987. + Wood AW, Joines WT, Blackman CF. Characteristics of transverse electric and magnetic field transmission cells at extremely low frequencies. *Bioelectromagnetics* 8(4) :407-413.
1988. + Blackman CF, Benane SG, House DE, Joines WT, Spiegel RJ. Effect of ambient levels of power-line-frequency electric fields on a developing vertebrate. *Bioelectromagnetics* 9(2) :129-140.
1988. + Blackman CF, Benane SG, Elliott DJ, House DE, Pollock MM. Influence of electromagnetic fields on the efflux of calcium ions from brain tissue *in vitro* : a three-model analysis consistent with the frequency response up to 510 Hz. *Bioelectromagnetics* 9(3) :215-227.
1988. r Blackman CF. Stimulation of brain tissue *in vitro* by extremely low frequency, low intensity, sinusoidal electromagnetic fields. In Lovely RH, O'Connor ME (eds), *Electromagnetic waves and neurobehavioral function*. New York : Alan R. Liss, pp 107-117.
1988. + Durney CH, Rushforth CK, Anderson AA. Resonant AC-DC magnetic fields : calculated biological response. *Bioelectromagnetics* 9 :315-336.
1988. + Liboff AR, McLeod BR. Kinetics of channelized membrane ions in magnetic fields. *Bioelectromagnetics* 9(1) :39-51.
1988. + Marron MT, Goodman EM, Sharpe PT, Greenebaum B. Low frequency electric and magnetic fields have different effects on the cell surface. *FEBS Lett.* 230:13-16.
1989. + Blackman CF, Kinney LS, House DE, Joines WT. Multiple power-density windows and their possible origin. *Bioelectromagnetics* 10(2) :115-128.

- ✓ 1989. + Dutta SK, Ghosh B, Blackman CF. Radiofrequency-induced calcium ion efflux enhancement from human and other neuroblastoma cells in culture. *Bioelectromagnetics* 10(2) :197-202.
- ✓ 1990. r Blackman CF. ELF effects on calcium homeostasis. In BW Wilson, RG Stevens an LE Anderson (eds), *Extremely low frequency electromagnetic fields : the question of cancer*. Columbus : Battelle Press, pp 187-208.
- ✓ 1990. + Blackman CF, Benane SG, House DE, Elliott DJ. Importance of alignment between local DC magnetic field in responses of brain tissue *in vitro* and *in vivo*. *Bioelectromagnetics* 11 :159-167.
- ✓ 1990. + Schwartz JL, House DE, Mealing GAR. Exposure of frog heart to CW or amplitude-modulated VHF fields : selective efflux of calcium ions at 16 Hz. *Bioelectromagnetics* 11 :349-358.
- ✓ 1991. + Blackman CF, Benane SG, House DE. The influence of temperature during electric- and magnetic-field-induced alteration of calcium-ion release from *in vitro* brain tissue. *Bioelectromagnetics* 12 :173-182.
1991. - Coulton LA, Barker AT. The effect of low-frequency pulsed magnetic fields on chick embryonic growth. *Phys Med Biol* 1991 Mar ;36(3) :369-91.
1991. - Liboff AR, Parkinson WC. Search for ion-cyclotron resonance in an NA(+) -transport system. *Bioelectromagnetics* 12(2) :77-83.
1991. + Lyle DB, Wang XH, Ayotte RD, Sheppard AR, Adey WR. Calcium uptake by leukemic and normal T-lymphocytes exposed to low frequency magnetic fields. *Bioelectromagnetics* 12(3) :145-56.
1991. - Prasad AV, Miller MW, Carstensen EL, Cox C, Azadniv M, Brayman AA. Failure to reproduce increased calcium uptake in human lymphocytes at purported cyclotron resonance exposure conditions. *Radiat Environ Biophys* 30(4) :305-20.
1992. r Blackman CF. Calcium release from nervous tissue : experimental results and possible mechanisms. In NordenB, Ramel C (eds) : *Interaction mechanisms of low-level electromagnetic fields in living systems*. Chapter 6. Oxford : Oxford Univ Press, pp 107-129.
- ✓ 1992. + Dutta SK, Das K, Ghosh B, Blackman CF. Dose dependence of acetylcholinesterase activity in neuroblastoma cells exposed to modulated radio-frequency electromagnetic radiation. *Bioelectromagnetics* 13(4) :317-22.
1992. - Durney CH, Kaminski M, Anderson AA, Bruckner-Lea C, Janata J, Rappaport C. Investigation of AC-DC magnetic field effects in planar phospholipid bilayers. *Bioelectromagnetics* 13(1) :19-33.
1992. + Katkov VF et coll. The effect of modulated EHF-electromagnetic fields (low intensity on calmodulin levels in brain structures. *Bull Exp Biol Med* 7 :52-54.

1992. + McLeod BR, Liboff AR, Smith SD. Electromagnetic gating in ion channels. *J Theor Biol* 1992 Sep 7 ;158(1) :15-31.
1992. - Parkinson WC, Sulik GL. Diatom response to extremely low-frequency magnetic fields. *Radiat Res.* 1992 Jun ;130(3) :319-30.
1993. + Blackman CF, Most B. A scheme for incorporating DC magnetic fields into epidemiological studies of EMF exposure. *Bioelectromagnetics* 14 :413-431.
1993. - Coulton LA, Barker AT. Magnetic fields and intracellular calcium : effects on lymphocytes exposed to conditions for 'cyclotron resonance'. *Phys Med Biol* 1993 Mar ;38(3) :347-60.
- ✓ 1993. + Reinbold KA, Pollack SR, da Silva OL. Measurement of cytosolic calcium concentration of primary bone cell culture under calcium ion resonance conditions. Martin Blank, Ed. Electricity and magnetism in biology and medicine. Sans Francisco Press, Inc, Box 426800, San Francisco, CA 94142-6800, USA.
- ✓ 1993. + Wood AW, Lubinas V, Joyner KH, Hocking BA. Calcium efflux from toad heart : a replication study. Martin Blank, Ed. Electricity and magnetism in biology and medicine. Sans Francisco Press, Inc, Box 426800, San Francisco, CA 94142-6800, USA.
1994. r Blackman CF. Effect of electric and magnetic fields on the nervous system. In Issacson RL, Jensen KF (eds), *The vulnerable brain and environmental risk*, Volume 3 Toxins in air and water Chapter 18. Plenum Press : New York, pp 341-355.
1996. - Hendee SP, Faour FA, Christensen DA, Patrick B, Durney CH, Bulmenthal DK. The effects of weak extremely low frequency magnetic fields on calcium/calmodulin interactions. *Biophys J* 1996 Jun ;70(6) :2915-23.
1997. + Liboff AR. Electric-field ion cyclotron resonance. *Bioelectromagnetics* 18(1) :85-7.
1997. + ReinboldKA, Pollack SR. Serum plays a critical role in modulating [Ca<sup>2+</sup>]c of primary culture bone cells exposed to weak ion-resonance magnetic fields. *Bioelectromagnetics* 18(3) :203-14.
1997. + Vorobyov VV et coll. Effects of weak microwave fields amplitude modulated at ELF on EEG of symmetric brain areas in rats. *Bioelectromagnetics* 18 :293-298.
1998. + Jenrow KA, Zhang X, Renahan WE, Liboff AR. Weak ELF magnetic field effects on hippocampal rhythmic slow activity. *Exp Neurol* 1998 Oct ;153(2) :328-34.
1999. - Clarkson N, Davies MS, Dixey R. Diatom motility : the search for independent replication of biological effects of extremely low-frequency electromagnetic fields. *Int J Radiat Biol* 1999 Mar ;75(3) :387-92.

1999. - Clarkson N, Davies MS, Dixey R. Diatom motility and low frequency electromagnetic fields—a new technique in the search for independant replication of results. *Bioelectromagnetics* 20(2) :94-100.
1999. + Paulraj R, Behari J, Rao AR. Effect of amplitude modulated RF radiation on calcium ion efflux and ODC activity in chronically exposed rat brain. *Indian J Biochem Biophys* 1999 Oct ;36(5) :337-40.
2000. + Romano-Spica V, Mucci N, Rusini CL, Ianni A, Bhat NK. Ets1 oncogene induction by ELF-modulated 50 MHz radiofrequency electromagnetic field. *Bioelectromagnetics* 2000 Jan ;21(1) :8-18.
2000. + Prato FS, Kavaliers M, Thomas AW. Extremely low frequency magnetic fields can either increase or decrease analgesia in the land snail depending on field and light conditions. *Bioelectromagnetics* 2000 May ;21(4) :287-301.
2002. + Liboff AR. Comment on « Extremely low frequency magnetic fields can either increase or decrease analgesia in the land snail depending on field and light conditions » by Frank S. Prato, M. Kavaliers, and A.W. Thomas. *Bioelectromagnetics* 2002 Jul ;23(5) :406-7 ; discussion 408-9.
2002. + Liboff AR, Jenrow KA. Physical mechanisms in neuroelectromagnetic therapies. *NeuroRehabilitation* 17(1) :9-22.

Celles qui sont référencées dans les études portant sur le 50 Hz, le 60 Hz ou autres

1975. + Liboff AR, Rinaldi RA, Lavine LS, Shamos MH. On electrical condution in living bone. *Clin Orthop Relat Res* 1975 Jan-Feb ;(106) :330-5.
1985. + Schaberg SJ, Liboff AR, Falk MC. Wire-induced osteogenesis in marrow. *J Biomed Mater Res* 1985 Jul-Aug ;19(6) :673-84.
1986. + McLeod BR, Liboff AR. Dynamic characteristics of membrane ions in multifield configurations of low-frequency electromagnetic radiation. *Bioelectromagnetics* 7(2) :177-89.
1986. + Thomas JR, Schrot J, Liboff AR. Low-intensity magnetic fields alter operant behavior in rats. *Bioelectromagnetics* 7(4) :349-57.
1987. + Barker AT, Freeston IL, Jalinous R, Jarratt JA. Magnetic stimulation of the human brain and peripheral nervous system : an introduction and the results of initial clinical evaluation. *Neurosurgery* 1987 Jan ;20(1) :100-9.
1987. + Mooney NA, Smith RE, Watson BW. Effect of extremely-low-frequency pulsed magnetic fields on the mitogenic response of peripheral blood mononuclear cells. *Bioelectromagnetics* 7(4) :387-94.

1987. + Wessler I, Steinlein O. Differential release of [3H]acetylcholine from the rat phrenic nerve-hemidiaphragm preparation by electrical nerve stimulation and by high potassium. *Neuroscience* 1987 Jul ;22(1) :289-99.
1989. + Liboff AR, Thomas JA, Schrot J. Intensity threshold for 60-Hz magnetically induced behavioral changes in rats. *Bioelectromagnetics* 10(1) :111-3
1992. - Bruckner-Lea, Durney CH, Janata J, Rappaport C, Kaminski M. Calcium binding to metallochromic dyes and calmodulin in the presence of combined AC-DC magnetic fields. *Bioelectromagnetics* 1992 ;13(2) :147-62.
1993. + Williams JH, Ward CW, Klug GA. Fatigue-induced alterations in Ca<sup>2+</sup> and caffeine sensitivities of skinned muscle fibers. *J Appl Physiol* 1993 Aug ;75(2) :586-93.
1994. + Deibert MC, McLeod BR, Smith SD, Liboff AR. Ion resonance electromagnetic field stimulation of fracture healing in rabbits with a fibular ostectomy. *J Orthop Res* 1994 Nov ;12(6):878-85.
1995. + Liboff AR, McLeod BR. Power lines and the geomagnetic field. *Bioelectromagnetics* 16(4) :227-30.
1995. + Jenrow KA, Smith CH, Liboff AR. Weak extremely-low-frequency magnetic fields and regeneration in the planarian *Dugesia tigrina*. *Bioelectromagnetics* 16(2) :106-12.
1996. - Stern S, Laties VG, Nguyen QA, Cox C. Exposure to combined static and 60 Hz magnetic fields : failure to replicate a reported behavioral effect. *Bioelectromagnetics* 17(4) :279-92.
1996. + Jenrow KA, Smith CH, Liboff AR. Weak extremely-low-frequency magnetic field-induced regeneration anomalies in the planarian *Dugesia tigrina*. *Bioelectromagnetics* 17(6) :467-74.
1996. + Liboff AR. Power-line magnetic fields are likely related to leukemia in children (despite the opinion of the American Physical Society). *Altern Ther Health Med* 1996 Mar ;2(2) :46-50.
1997. + Buechler DN, Durney CH, Christensen DA. Calculation of electric fields induced near metal implants by magnetic resonance imaging switched-gradient magnetic fields. *Magn Reson Imaging* 15(10) :1157-66.
2000. - Coulton LA, Barker AT, Van Lierop JE, Walsh MP. The effect of static magnetic fields on the rate of calcium/calmodulin-dependent phosphorylation of myosin light chain. *Bioelectromagnetics* 2000 Apr ;21(3) :189-96.
2000. + Huber R, Graf T, Cote KA, Wittmann L, Gallman E, Matter D, Schuderer J, Kuster N, Borbely AA, Achermann P. Exposure to pulsed high-frequency electromagnetic field during waking affects human sleep EEG. *Neuroreport* 2000, Oct 20 ;11(15) :3321-5.

2001. + Corhout E, Barker AT, Cowey A. Transcranial magnetic stimulation. Which part of the current waveform causes the stimulation ? *Exp Brain Res* 2001 Nov ;14(1) :128-32.
2002. + Huber R, Treyer V, Borbely AA, Schuderer J, Gottseling JM, Landolt HP, Werh E, Berthold T, Kuster N, Buck A, Achermann P. Electromagnetic fields, such as those from mobile phones, alter regional cerebral blood flow and sleep and waking EEG. *J Sleep Res* 2002 Dec ;11(4) :289-95.
- ✓ 2003. + Santini MT, Rainaldi G, Ferrante A, Indovina PL, Vecchia P, Donelli G. Effects of a 50 Hz sinusoidal magnetic field on cell adhesion molecule expression in tow human osteosarcoma cell lines (MG-63 and Saos-2). *Bioelectromagnetics* 24 :327-338.
2003. + Liboff AR, Cherng S, Jenrow KA, Bull A. Calmodulin-dependent cyclic nucleotide phosphodiesterase activity is altered by 20 microT magnetostatic fields. *Bioelectromagnetics* 2003 Jan ;24(1) :32-8.
2003. + Huber R, Schuderer J, Graf T, Jutz K, Borbely AA, Kuster N, Achermann P. Radio frequency electromagnetic field exposure in humans : estimation of SAR distribution in the brain, effects on sleep and heart rate. *Bioelectromagnetics* 2003 May ;24(4)262-76.
2004. + Czyz J, Nikolova T, Schuderer J, Kuster N, Wobus AM. Non-thermal effects of power-line magnetic fields (50 Hz) on gene expression levels of pluripotent embryonic stem cells-the role of tumour suppresseur p53. *Mutat Res* 2004 Jan 10 ;557(1) :63-74.
2004. + Liboff AR. Toward an electromagnetic paradigm for biology and medicine. *J Altern Complement Med* 2004 Feb ;10(1) :41-7.