

Curriculum Vitae

Tetsuro Matsuzawa

Current Position

Professor, Section of Language and Intelligence,
Director, Center for International Collaboration and Advanced
Studies

Primate Research Institute, Kyoto University

President of the International Primatological Society

Editorial Board of The Royal Society, *Philosophical Transaction B*

Chair of Scientific Program of International Congress of Psychology 2016



Birth day: 15th Oct. 1950, born in Japan (Nationality: Japanese)

1969: Entered Kyoto University (Philosophy major)

1974: Graduated the Faculty of Letters, Kyoto University; Entered Graduate School of Kyoto University (Psychology major): PhD (Science) from Kyoto University in 1986

1976-present: Primate Research Institute of Kyoto University

(1976: Assistant professor, 1987: Associate professor, 1993: full professor, 2006-2012: Director)

Major: Primatology, Psychology, especially establishing “Comparative Cognitive Science”

Research Summary

Matsuzawa has been studying chimpanzee intelligence both in the laboratory and in the wild. The laboratory work is known as “Ai-project” since 1976. He has also been studying the tool use in the wild chimpanzees at Bossou-Nimba, Guinea, West Africa, since 1986. Matsuzawa tries to synthesize the field and the lab work to understand the nature of chimpanzees. He published journal papers and also the books such as “Primate origins of human cognition and behavior”, “Cognitive development in chimpanzees”, “The chimpanzees of Bossou and Nimba”. He also published several popular books to the public too, that have been translated into Chinese and Korean. He got several prizes including Prince Chichibu Memorial Award for Science in 1991, Jane Goodall Award in 2001, and The Medal with Purple Ribbon in 2004.

Please see the web site: <http://www.pri.kyoto-u.ac.jp/ai/>



Publications list

Books

- Matsuzawa T, Humle, T & Sugiyama, Y (2011) *The Chimpanzees of Bossou and Nimba*. Springer.
- Lonsdorf, E, Ross, S & Matsuzawa T (2010) *The mind of the chimpanzee: Ecological and experimental perspectives*. The University of Chicago Press.
- Matsuzawa T, Tomonaga M, Tanaka M (2006) *Cognitive Development in Chimpanzees*, Springer.
- Matsuzawa T (2001) *Primate origins of human cognition and behavior*, Springer-Verlag.

Papers (Reviewed academic journal paper)

- Hattori Y, Tomonaga M, Matsuzawa T (2013) Spontaneous synchronized tapping to an auditory rhythm in a chimpanzee. *Scientific Reports*, 3 : 1566 | DOI: 10.1038/srep01566, 28 Mar 2013
- Matsuzawa T (2013) Evolution of the brain and social behavior in chimpanzees. *Current opinion in Neurobiology*. 23:443–449 <http://dx.doi.org/10.1016/j.conb.2013.01.012>
- Sakai T, Matsui M, Mikami A, Malkova L, Hamada Y, Suzuki J, Tanaka M, Miyabe-Nishiwaki T, Makishima H, Nakatsukasa M, Matsuzawa T (2013) Developmental patterns of chimpanzee cerebral tissues provide important clues for understanding the remarkable enlargement of the human brain. *Proceedings in the Royal Society B*, 280: 20122398.
- Koops K, McGrew WC. , Matsuzawa T (2013) Ecology of culture: do environmental factors influence foraging tool use in wild chimpanzees, *Pan troglodytes verus*? *Animal Behaviour*, 85, 175-185.
- Matsuzawa T (2012) GRASP in Paris 2012. *Pan Africa News*, 19(2): 15-16
- Weiss A, King JE. , Inoue-Murayama M, Matsuzawa T, Oswald AJ. (2012) Evidence for a midlife crisis in great apes consistent with the U-shape in human well-being. *Proceedings of the National Academy of Sciences*, 109, 19949-19952.
- Carvalho S, Biro D, Cunha E, Hockings KJ. , McGrew WC. , Richmond BG. , Matsuzawa T (2012) Chimpanzee carrying behaviour and the origins of human bipedality. *Current Biology*, 22, R180-R181
- Hockings KJ. , Anderson JR. , Matsuzawa T (2012) Socioecological adaptations by chimpanzees, *Pan troglodytes verus*, inhabiting an anthropogenically impacted habitat *Animal Behaviour*, 83, 801-810
- Hockings KJ. , Humle T, Carvalho S, Matsuzawa T (2012) Chimpanzee interactions with nonhuman species in an anthropogenic habitat. *Behaviour*, 149, 299 – 324

- Koops K, McGrew WC. , Matsuzawa T, Knapp LA. (2012) Terrestrial Nest-Building by Wild Chimpanzees (*Pan troglodytes*): Implications for the tree-to-ground sleep transition in early hominins. *American Journal Of Physical Anthropology*, 148, 351–361
- Koops K, McGrew WC. , Vries Hde , Matsuzawa T (2012) Nest-building by chimpanzees (*Pan troglodytes verus*) at Seringbara, Nimba Mountains: Antipredation, thermoregulation, and antivector hypotheses. *International Journal of Primatology*, 33, 356-380
- Kooriyama T, Okamoto M, Yoshida T, Nishida T, Tsubota T, Saito A, Tomonaga M, Matsuzawa T, Akari H, Nishimura H, Miyabe-Nishiwaki T (2012) Epidemiological study of zoonoses derived from humans in captive Chimpanzees *Primates*,
- Ogura T, Matsuzawa T, (2012) Video preference assessment and behavioral management of single-caged Japanese macaques (*Macaca fuscata*) by movie presentation. *Journal of Applied Animal Welfare Science*, 15, 101-112
- Weiss A, Inoue-Murayama M, King JE , Adams MJ , Matsuzawa T (2012) All too human? Chimpanzee and orang-utan personalities are not anthropomorphic projections. *Animal Behaviour*, 83: 1355–1365
- Inoue S, Matsuzawa T (2011) Correlation between menstrual cycle and cognitive performance in a chimpanzee (*Pan troglodytes*). *Journal of Comparative Psychology*, 125: 104-11
- Ludwig VU , Adachi I, Matsuzawa T (2011) Visuoauditory mappings between high luminance and high pitch are shared by chimpanzees (*Pan troglodytes*) and humans. *Proc Natl Acad Sci U S A.*, published ahead of print December 5, 2011
- Martin CF , Biro D, Matsuzawa T (2011) Chimpanzees' use of conspecific cues in matching-to-sample tasks: public information use in a fully automated testing environment *Animal Cognition*, 14, 893-902
- Morimura N, Idani G, Matsuzawa T (2011) The first chimpanzee sanctuary in Japan: an attempt to care for the “surplus” of biomedical research. *American Journal of Primatology*, 73, 226-232
- Ohashi G, Matsuzawa T (2011) Deactivation of snares by wild chimpanzees. *Primates*, 52, 1-5
- Sakai T, Mikami A, Tomonaga M, Matsui M, Suzuki J, Hamada Y, Tanaka M, Miyabe-Nishiwaki T, Makishima H, Nakatsukasa M, Matsuzawa T (2011) Differential prefrontal white matter development in chimpanzees and humans. *Current Biology*, 21, 1397-1402
- Biro D, Humle T, Koops K, Sousa C, Hayashi M, Matsuzawa T (2010) Chimpanzee mothers at Bossou, Guinea carry the mummified remains of their dead infants. *Current Biology*, 20, R351-R352
- Carvalho S, Yamanashi Y, Yamakoshi G, Matsuzawa T (2010) Bird in the hand: Bossou chimpanzees (*Pan troglodytes*) capture West African wood-owls (*Ciccaba woodfordi*) but not to eat. *Pan Africa News*, 17(1), 6-9

- Fujisawa M, Matsubayashi K, Soumah AGaspard , Kasahara Y, Nakatsuka M, Matsuzawa T (2010) Farsightedness (presbyopia) in a wild elderly chimpanzee: The first report. *Geriatrics & Gerontology International*, 10, 113-114
- Hirata S, Yamamoto S, Takemoto H, Matsuzawa T (2010) A case report of meat and fruit sharing in a pair of wild bonobos. *Pan Africa News*, 17(2), 21-23
- Hockings KJ. , Anderson JR. , Matsuzawa T (2010) Flexible feeding on cultivated underground storage organs by rainforest-dwelling chimpanzees at Bossou, West Africa. *Journal of Human Evolution*, 58, 227-233
- Hockings KJ. , Yamakoshi G, Kabasawa A, Matsuzawa T (2010) Attacks on local persons by chimpanzees in Bossou, Republic of Guinea: long-term perspectives. *American Journal of Primatology*, 72:887-896
- Koops K, McGrew WC. , Matsuzawa T (2010) Do chimpanzees (*Pan troglodytes*) use cleavers and anvils to fracture *Treculia africana* fruits? Preliminary data on a new form of percussive technology. *Primates*, 51, 175-178.
- Miyabe-Nishiwaki T, Kaneko A, Nishiwaki K, Watanabe A, Watanabe S, Maeda N, Kumazaki K, Morimoto M, Hirokawa R, Suzuki J, Ito Y, Hayashi M, Tanaka M, Tomonaga M, Matsuzawa T (2010) Tetraparesis resembling acute transverse myelitis in a captive chimpanzee (*Pan troglodytes*): long-term care and recovery. *Journal of Medical Primatology*, 39, 336-346.
- Sakai T, Hirai D, Mikami A, Suzuki J, Hamada Y, Tomonaga M, Tanaka M, Miyabe-Nishiwaki T, Makishima H, Nakatsukasa M, Matsuzawa T (2010) Prolonged maturation of prefrontal white matter in chimpanzees. *Nature Precedings*, 4411.1.
- Yamanashi Y, Matsuzawa T (2010) Emotional consequences when chimpanzees (*Pan troglodytes*) face challenges: individual differences in self-directed behaviours during cognitive tasks *Animal Welfare*, 19, 25-30
- Adachi I, Kuwahata H, Fujita K, Tomonaga M, Matsuzawa T (2009) Plasticity of ability to form cross-modal representations in infant Japanese macaques. *Developmental Science*, 12, 446-452
- Carvalho S, Biro D, McGrew WC. , Matsuzawa T (2009) Tool-composite reuse in wild chimpanzees (*Pan troglodytes*): Archaeologically invisible steps in the technological evolution of early hominins? *Animal Cognition*, 12, S103-S114
- Crast J, Frigaszy D, Hayashi M, Matsuzawa T (2009) Dynamic in-hand movements in adult and young juvenile chimpanzees (*Pan troglodytes*). *American Journal of Physical Anthropology*, Volume 138, Issue 3, pages 274-285
- Haslam M, Hernandez-Aguilar A, Ling V, Carvalho S, Torre Ide-la , DeStefano A, Du A, Hardy B, Harris J, Marchant L, Matsuzawa T, McGrew W, Mercader J, Mora R, Petraglia M, Roche H, Visalberghi E, Warren R (2009) Primate archaeology *Nature*, 460, 339-344
- Hockings KJ. , Anderson JR. , Matsuzawa T (2009) Use of Wild and Cultivated Foods by Chimpanzees at Bossou, Republic of Guinea: Feeding dynamics in a human-influenced environment. *American Journal of Primatology*, 71, 636-646

- Humle T, Matsuzawa T (2009) Laterality in hand use across four tool-use behaviors among the wild chimpanzees of Bossou, Guinea, West Africa. *American Journal of Primatology*, 70, 40-48.
- Humle T, Snowdon CT. , Matsuzawa T (2009) Social influences on ant-dipping acquisition in the wild chimpanzees (*Pan troglodytes verus*) of Bossou, Guinea, West Africa. *Animal Cognition*, 12, S37-S48.
- Inoue S, Matsuzawa T (2009) Acquisition and memory of sequence order in young and adult chimpanzees (*Pan troglodytes*). *Animal Cognition*, 12, S59-S69.
- Martinez L, Matsuzawa T (2009) Visual and auditory conditional position discrimination in chimpanzees (*Pan troglodytes*). *Behavioural Processes*, 82, 90-94.
- Martinez L, Matsuzawa T (2009) Auditory-visual intermodal matching based on individual recognition in a chimpanzee (*Pan troglodytes*). *Animal Cognition*, 12, S71-S85
- Martinez L, Matsuzawa T (2009) Effect of species-specificity in auditory-visual intermodal matching in a chimpanzee (*Pan troglodytes*) and humans. *Behavioural Processes*, 82, 160-163
- Matsuzawa T (2009) Symbolic representation of number in chimpanzees. *Current Opinion in Neurobiology*, 19:92-98
- Matsuzawa T (2009) Q&A: Tetsuro Matsuzawa. *Current Biology*, 19, R310–R312
- Matsuzawa T (2009) The chimpanzee mind: in search of the evolutionary roots of the human mind. *Animal Cognition*, 12, S1-S9
- Poti P, Hayashi M, Matsuzawa T (2009) Spatial construction skills of chimpanzees (*Pan troglodytes*) and young human children (*Homo sapiens sapiens*). *Developmental Science*, 12, 536-548
- Weiss A, Inoue-Murayama M, Hong K, Inoue E, Udono T, Ochiai T, Matsuzawa T, Hirata S, King JE. (2009) Assessing chimpanzee personality and subjective well-being in Japan. *American Journal of Primatology*, 71, 283-292
- Carvalho S, Cunha E, Sousa C, Matsuzawa T (2008) Chaînes opératoires and resource-exploitation strategies in chimpanzee (*Pan troglodytes*) nut cracking. *Journal of Human Evolution*, 55, 148-163
- Matsuzawa T, McGrew WC. (2008) Kinji Imanishi and 60 years of Japanese Primatology. *Current Biology*, 18(14), R587-R591
- Möbius Y, Boesch C, Koops K, Matsuzawa T, Humle T (2008) Cultural differences in army ant predation by West African chimpanzees? A comparative study of microecological variables. *Animal Behaviour*, 76, 37-45
- Ohashi G, Hasegawa R, Makan K, Matsuzawa T (2008) Arbors and cuttings: New trials for Green Corridor Project at Bossou-Nimba. *Pan Africa News*, 15(2): 20-23
- Okamoto-Barth S, Tomonaga M, Tanaka M, Matsuzawa T (2008) Development of using experimenter-given cues in infant chimpanzees: Longitudinal changes in behavior and cognitive development. *Developmental Science*, 11(1), 98-108.

- Yamamoto S, Yamakoshi G, Humle T, Matsuzawa T (2008) Invention and modification of a new tool use behavior: Ant-fishing in trees by a wild chimpanzee (*Pan troglodytes verus*) at Bossou, Guinea. *American Journal of Primatology*, 70, 699-702.
- Carvalho S, Sousa C, Matsuzawa T (2007) New Nut-Cracking Sites in Diecké Forest, Guinea: An Overview of the Surveys. *Pan Africa News*, 14 (1), 11-13
- Granier N, Marie-Claude H, Matsuzawa T (2007) Preliminary surveys of chimpanzees in Gouéla area and Déré Forest, the Nimba Mountain Biosphere Reserve, Republic of Guinea. *Pan Africa News*, 14(2), 20-22
- Hockings KJ. , Humle T, Anderson JR. , Biro D, Sousa C, Ohashi G, Matsuzawa T (2007) Chimpanzees share forbidden fruit. *PLoS ONE*, 2(9): e886
- Inoue S, Matsuzawa T (2007) Working memory of numerals in chimpanzees. *Current Biology*, Volume 17, Issue 23, R1004-R1005
- Koops K, Humle T, Sterck E, Matsuzawa T (2007) Ground-nesting by the chimpanzees of the Nimba Mountains, Guinea: Environmentally or socially determined? *American Journal of Primatology*, 69, 407-419
- Matsuzawa T (2007) Assessment of the planted trees in Green Corridor Project. *Pan Africa News*, 14(2), 27-29
- Matsuzawa T (2007) Comparative cognitive development. *Developmental Science*, 10, 97-103
- Nishimura T, Mikami A, Suzuki J, Matsuzawa T (2007) Development of the Laryngeal Air Sac in Chimpanzees *International Journal of Primatology*, Volume 28, Number 2, 483-492
- Thompson ME. , Jones JH. , Pusey AE. , Marsden SBrewer , Goodall J, Marsden D, Matsuzawa T, Nishida T, Reynolds V, Sugiyama Y, Wrangham RW. (2007) Aging and fertility patterns in wild chimpanzees provide insights into the evolution of menopause. *Current Biology*, 17, 2150-2156
- Uenishi G, Fujita S, Ohashi G, Kato A, Yamauchi S, Matsuzawa T, Ushida K (2007) Molecular analyses of the intestinal microbiota of chimpanzees in the wild and in captivity. *American journal of Primatology*, 69: 367-376
- Uenishi G, Fujita S, Ohashi G, Kato A, Yamauchi S, Matsuzawa T, Ushida K (2007) Molecular analysis of the intestinal microbiota of chimpanzees in the wild and in captivity. *American journal of Primatology*, 69: 1-10
- Adachi I, Kuwahata H, Fujita K, Tomonaga M, Matsuzawa T (2006) Japanese macaques form a cross-modal representation of their own species in their first year of life. *Primates*, 47, 350-354
- Hockings KJ. , Anderson JR. , Matsuzawa T (2006) Road crossing in chimpanzees: a risky business. *Current Biology*, Vol 16 No 17, 668-670
- Koops K, Matsuzawa T (2006) Hand Clapping by a Chimpanzee in the Nimba Mountains, Guinea, West Africa. *Pan Africa News*, 13(2)19-21
- Matsuzawa T (2006) Bossou 30 years. *Pan Africa News*, 13, 16-18

- Mizuno Y, Takeshita H, Matsuzawa T (2006) Behavior of infant chimpanzees during the night in the first 4 months of life: smiling and suckling in relation to behavioral state. *Infancy*, 9(2): 215-234
- Nishimura T, Mikami A, Suzuki J, Matsuzawa T (2006) Descent of the hyoid in chimpanzees: evolution of facial flattening and speech. *Journal of Human Evolution*, 51(3): 244-254
- Bard KA. , Myowa-Yamakoshi M, Tomonaga M, Tanaka M, Costall A, Matsuzawa T (2005) Group differences in the mutual gaze of chimpanzees (*Pan troglodytes*). *Developmental Psychology*, 41: 616-624
- Hayashi M, Mizuno Y, Matsuzawa T (2005) How does stone-tool use emerge? Introduction of stones and nuts to naive chimpanzees in captivity. *Primates*, 46(2): 91-102.
- Matsuzawa T (2005) Primate viewing. *Nature*, 434, 21-22.
- Murai C, Kosugi D, Tomonaga M, Tanaka M, Matsuzawa T, Itakura S (2005) Can chimpanzee infants (*Pan troglodytes*) form categorical representations in the same manner as human infants (*Homo sapiens*)? *Developmental Science*, 8:3, pp 240-254
- Myowa-Yamakoshi M, Yamaguchi MK. , Tomonaga M, Tanaka M, Matsuzawa T (2005) Development of face recognition in infant chimpanzees (*Pan troglodytes*). *Cognitive Development* , 20, 49-63
- Takeshita H, Frigaszy D, Mizuno Y, Matsuzawa T, Tomonaga M, Tanaka M (2005) Exploring by doing: How young chimpanzees discover surfaces through actions with objects. *Infant Behavior & Development*, 28, 316-328
- Ueno A, Matsuzawa T (2005) Response to novel food in infant chimpanzees: Do infants refer to mothers before ingesting food on their own? *Behavioural Processes*, 68(1):85-90
- Anderson JR. , Myowa-Yamakoshi M, Matsuzawa T (2004) Contagious yawning in chimpanzees. *Proc Biol Sci.*, 271(Suppl 6): S468-S470
- Biro D, Inoue-Nakamura N, Tonooka R, Yamakoshi G, Sousa C, Matsuzawa T (2004) Cultural innovation and transmission of tool use in wild chimpanzees: evidence from field experiments *Animal Cognition*, Volume 6, Number 4, 213-223
- Humle T, Matsuzawa T (2004) Oil Palm Use by Adjacent Communities of Chimpanzees at Bossou and Nimba Mountains, West Africa. *International Journal of Primatology*, Vol. 25, No. 3, 551-581
- Humle T, Matsuzawa T, Yamakoshi G (2004) Chimpanzee conservation and environmental education in Bossou and Nimba, Guinea, West Africa. *Folia Primatologica*, 75(S1):280-281
- Kuwahata H, Adachi I, Fujita K, Tomonaga M, Matsuzawa T (2004) Development of schematic face preference in macaque monkeys. *Behavioural Processes*, 66, 17-21
- Matsuno T, Kawai N, Matsuzawa T (2004) Color classification by chimpanzees (*Pan troglodytes*) in a matching-to-sample task. *Behavioural Brain Research*, 148, 157-165
- Myowa-Yamakoshi M, Tomonaga M, Tanaka M, Matsuzawa T (2004) Imitation in neonatal chimpanzees (*Pan troglodytes*). *Developmental Science*, 7:4, pp 437-442

- Tomonaga M, Tanaka M, Matsuzawa T, Myowa-Yamakoshi M, Kosugi D, Mizuno Y, Okamoto S, Yamaguchi MK. , Bard KA. (2004) Development of social cognition in infant chimpanzees (*Pan troglodytes*): Face recognition, smiling, gaze, and the lack of triadic interactions. *Japanese Psychological Research*, Volume 46, Issue 3, pages 227-235
- Ueno A, Matsuzawa T (2004) Food transfer between chimpanzee mothers and their infants. *Primates*, 45:231-239
- Hayashi M, Matsuzawa T (2003) Cognitive development in object manipulation by infant chimpanzees. *Animal Cognition*, 6: 225-233
- Iversen IH. , Matsuzawa T (2003) Development of interception of moving targets by chimpanzees (*Pan troglodytes*) in an automated task. *Animal Cognition*, 6 : 169-183
- Matsuzawa T (2003) The Ai project: historical and ecological contexts. *Animal Cognition*, 6(4): 199-211
- Myowa-Yamakoshi M, Tomonaga M, Tanaka M, Matsuzawa T (2003) Preference for human direct gaze in infant chimpanzees (*Pan troglodytes*). *Cognition*, 89, B53-B64
- Nishimura T, Mikami A, Suzuki J, Matsuzawa T (2003) Descent of the larynx in chimpanzee infants. *PNAS*, 100(12), 6930-6933
- Shimizu K, Douke C, Fujita S, Matsuzawa T, Tomonaga M, Tanaka M, Matsubayashi K, Hayashi M (2003) Urinary steroids, FSH and CG measurements for monitoring the ovarian cycle and pregnancy in the chimpanzee. *Journal of Medical Primatology*, Volume 32, Issue 1, pages 15-22
- Sousa C, Okamoto S, Matsuzawa T (2003) Behavioural development in a matching-to-sample task and token use by an infant chimpanzee reared by his mother *Animal Cognition*, 6 : 259-267
- Tanaka M, Tomonaga M, Matsuzawa T (2003) Finger drawing by infant chimpanzees (*Pan troglodytes*). *Animal Cognition*, 6 : 245-251
- Humle T, Matsuzawa T (2002) Ant-dipping among the chimpanzees of Bossou, Guinea, and some comparisons with other sites. *American Journal of Primatology*, 58:133-148
- Matsumoto-Oda A, Oda R, Hayashi Y, Murakami H, Maeda N, Kumazaki K, Shimizu K, Matsuzawa T (2002) Vaginal fatty acids produced by chimpanzees during menstrual cycles. *Folia Primatologica*, 74:75-79
- Okamoto S, Tomonaga M, Ishii K, Kawai N, Tanaka M, Matsuzawa T (2002) An infant chimpanzee (*Pan troglodytes*) follows human gaze. *Animal Cognition*, Volume 5, Number 2, 107-114
- Tomonaga M, Matsuzawa T (2002) Enumeration of briefly presented items by the chimpanzee (*Pan troglodytes*) and humans (*Homo sapiens*). *Animal Learning & Behavior*, 30 (2), 143-157
- Visalberghi E, Myowa-Yamakoshi M, Hirata S, Matsuzawa T (2002) Responses to novel foods in captive chimpanzees. *Zoo Biology*, 21:539-548

- Biro D, Matsuzawa T (2001) Use of numerical symbols by the chimpanzee (*Pan troglodytes*): Cardinals, ordinals, and the introduction of zero. *Animal Cognition*, 4 :193-199
- Hirata S, Matsuzawa T (2001) Tactics to obtain a hidden food item in chimpanzee pairs (*Pan troglodytes*). *Animal Cognition*, 4, 285-295.
- Hirata S, Yamakoshi G, Fujita S, Ohashi G, Matsuzawa T (2001) Capturing and toying with hyraxes (*Dendrohyrax dorsalis*) by Wild Chimpanzees (*Pan troglodytes*) at Bossou, Guinea. *American Journal of Primatology*, 53, 93-97
- Humle T, Matsuzawa T (2001) Behavioural diversity among the wild chimpanzee populations of Bossou and neighbouring areas, Guinea and Côte d'Ivoire, West Africa. *Folia Primatologica*, 72:57-68
- Iversen IH. , Matsuzawa T (2001) Acquisition of navigation by chimpanzees (*Pan troglodytes*) in an automated fingermaze task. *Animal Cognition*, 4 :179-192
- Kawai N, Matsuzawa T (2001) "Magical number 5" in a chimpanzee. *Behavioral and Brain Sciences*, 24: 127-128
- Matsuzawa T, Tomonaga M (2001) For a rise of comparative cognitive science. *Animal Cognition*, 4: 133-135
- Morimura N, Matsuzawa T (2001) Memory of movies by chimpanzees (*Pan troglodytes*). *Journal of Comparative Psychology*, 115: 152-158
- Sousa C, Matsuzawa T (2001) The use of tokens as rewards and tools by chimpanzees (*Pan troglodytes*). *Animal Cognition*, 4 :213-221
- Kawai N, Matsuzawa T (2000) Numerical memory span in a chimpanzee *Nature*, 403, 39-40
- Kawai N, Matsuzawa T (2000) A conventional approach to chimpanzee cognition: Response to M.D.Hauser (2000). *Trends in Cognitive Sciences*, (4):128-129
- Myowa-Yamakoshi M, Matsuzawa T, (2000) Imitation of intentional manipulatory actions in chimpanzees (*Pan troglodytes*). *Journal of Comparative Psychology*, 114: 381-391
- Tomonaga M, Matsuzawa T (2000) Sequential responding to arabic numerals with wild cards by the chimpanzee (*Pan troglodytes*). *Animal Cognition*, 3 :1-11
- Tsuji K, Hayashibe K, Hara M, Matsuzawa T (2000) Visuo-motor development which causes detection of visual depth from motion and density cues. *Swiss Journal of Psychology*, 59(2): 102-107
- Hirata S, Morimura N, Matsuzawa T (1998) Green passage plan (tree-planting project) and environmental education using documentary videos at Bossou: a progress report. *Pan Africa News*, 5:18-20
- Hirata S, Myowa M, Matsuzawa T (1998) Use of leaves as cushions to sit on wet ground by wild chimpanzees. *American Journal of Primatology*, 44:215-220
- Tonooka R, Tomonaga M, Matsuzawa T (1997) Acquisition and transmission of tool making and use for drinking juice in a group of captive chimpanzees (*Pan troglodytes*). *Japanese Psychological Research*, 39, 253-265

- Tomonaga M, Itakura S, Matsuzawa T (1993) Superiority of conspecific faces and reduced inversion effect in face perception by a chimpanzee (*Pan troglodytes*). *Folia Primatologica*, 61, 110-114
- Tomonaga M, Matsuzawa T (1992) Perception of complex geometric figures in chimpanzees (*Pan troglodytes*) and humans (*Homo sapiens*): Analyses of visual similarity on the basis of choice reaction time. *Journal of Comparative Psychology*, 106, 43-52
- Tomonaga M, Matsuzawa T, Fujita K, Yamamoto J, (1991) Emergence of symmetry in a visual conditional discrimination by chimpanzees (*Pan troglodytes*). *Psychological Reports*, 68, 51-60
- Matsuzawa T (1990) Form perception and visual acuity in a chimpanzee. *Folia Primatologica*, 55, 24-32
- Matsuzawa T, Sakura O, Kimura T, Hamada Y, Sugiyama Y (1990) Case report on the death of a wild chimpanzee (*Pan troglodytes verus*). *Primates*, 31, 635-641
- Matsuzawa T (1985) Use of numbers by a chimpanzee. *Nature*, 315, 57 - 59
- Matsuzawa T (1985) Colour naming and classification in a chimpanzee (*Pan troglodytes*). *Journal of Human Evolution*, 14, 283-291
- Asano T, Kojima T, Matsuzawa T, Kubota K, Murofushi K (1982) Object and color naming in chimpanzees (*Pan troglodytes*). *Proceedings of the Japan Academy, Series B*, 58, 118-122

Book chapters

- Matsuzawa T (2010) A trade-off theory of intelligence. In: Mareschal, D et al. (eds.), *The making of human concepts*. Pp. 227–245, Oxford University Press.
- Matsuzawa T & Kourouma, M (2008) The green corridor project: Long-term research and conservation in Bossou, Guinea. In: Wrangham, R & Ross, E (eds.), *Science and conservation in African forests: The benefits of long-term research*. Pp. 201–212, Cambridge University Press.
- Matsuzawa T, Nakamura, M (2004) Caregiving: mother-infant relations in chimpanzees. In: M. Bekoff (ed.) *Encyclopedia of animal behavior*, Pp.196-203, Greenwood Press.
- Matsuzawa T (2002) Chimpanzee Ai and her son Ayumu: An episode of education by master-apprenticeship. In: M. Bekoff, C. Allen, & Burghardt, G. (eds.) *The cognitive animal* Pp.189-195, Cambridge: The MIT Press
- Matsuzawa, T (2001) Primate foundations of human intelligence: A view of tool use in nonhuman primates and fossil hominids. In: *Primate origins of human cognition and behavior*, T. Matsuzawa ed., Pp. 3-25, Tokyo: Springer-Verlag
- Matsuzawa T, Biro, D., Humle, T., Inoue-Nakamura, N., Tonooka, R. & Yamakoshi, G. (2001) Emergence of culture in wild chimpanzees: Education by master-apprenticeship. In: *Primate origins of human cognition and behavior*, T. Matsuzawa ed., Pp.557-574, Tokyo: Springer-Verlag.

- Matsuzawa T (1999) Communication and tool use in chimpanzee: Cultural and social contexts. In: Hauser, M. & Konishi, M. eds., *The design of Animal communication*, Pp.645-671, Cambridge University Press.
- Matsuzawa T (1998) Chimpanzee behavior: comparative cognitive perspective. In: Greenberg, G. & Haraway, M. eds., "*Comparative psychology: A handbook*", Garland Publishers Inc., NY, 360-375.
- Matsuzawa T & Yamakoshi, G. (1996) Comparison of chimpanzee material culture between Bossou and Nimba, West Africa. In Russon, A., Bard, K., & Parker, S. (eds.), "*Reaching into thought*". Cambridge Univ. Press, 211-232.
- Matsuzawa T (1996) Chimpanzee intelligence in nature and in captivity: isomorphism of symbol use and tool use. In McGrew, W. et al. (eds.), "*Great Ape Societies*". Cambridge Univ. Press, 196-209.
- Matsuzawa T (1994) Field experiments on use of stone tools by chimpanzees in the wild. In Wrangham, R. et al.(eds.), "*Chimpanzee Cultures*". Harvard Univ. Press, 351-370.
- Itakura, S., & Matsuzawa, T. (1993) Acquisition of personal pronouns by a chimpanzee. Roitblat, H., Herman, L., Nachtigall, P. (eds.), "*Language and Communication: Comparative Perspectives*". Lawrence Erlbaum, 347-363.
- Tomonaga, M., Matsuzawa T, & Matano, S. (1991) Perception and processing of complex geometrical figures in chimpanzee (*Pan troglodytes*). In Ehara, A., Kimura, T., Takenaka, O., and Iwamoto, M. (Eds.), "*Primate today*". Elsevier: Amsterdam, 313-316.
- Matsuzawa T (1991) The duality of language-like skill in a chimpanzee (*Pan troglodytes*). In Ehara, A., Kimura, T., Takenaka, O., and Iwamoto, M. (Eds.), "*Primate today*". Elsevier: Amsterdam, 317-320.
- Matsuzawa T (1990) Spontaneous sorting in human and chimpanzee. In Parker, S. and Gibson, K. (Eds.), "*Language and intelligence in monkeys and apes: Comparative developmental perspectives*". Cambridge University Press, 451-468.
- Matsuzawa T (1989) Spontaneous pattern construction in a chimpanzee. In Heltne, P. and Marquardt, L. (Eds.), "*Understanding chimpanzees*". Harvard University Press, 252-265.
- Matsuzawa T, Asano, T., Kubota, K., & Murofushi, K. (1986) Acquisition and Generalization of numerical labeling by a chimpanzee. In D.M.Taub and F.A.,King (Eds.), "*Current perspectives in primate social dynamics*". Van Nostrand Reinhold: New York.

[Invited talks \(2004-2013\)](#)

2013

1) Conakry University, Jan 4, Conakry, Guinea

2) AAAS, Feb 15, Boston, USA

3) Malaysia Science University, Department of Biology, March 5, Penang, Malaysia

- 4) Malaysia Science University, Department of Education, March 6, Penang, Malaysia
- 5) Kunming University of Science and Technology, March 24, Kunming, Yunnan, China
- 6) Kunming Institute of Zoology, March 25, Kunming, Yunnan, China
- 7) Southwest Forestry University, Kunming, Yunnan, China
- 8) Yunnan University of Finance and Economics, March 26, Kunming, Yunnan, China
- 9) Royal University of Bhutan, May, May 5, Thimpu, Bhutan
- 10) Archives Jean Piaget, University of Geneva, May 14, Geneva, Switzerland
- 11) University of Neuchatel, May 15, Neuchatel, Switzerland
- 12) University of St Andrews, May 20, St Andrews, Scotland, UK

2012

- 1) American Psychological Association, Aug 2, Florida, USA
- 2) International Primatological Society, Aug 15, Cancun, Mexico
- 3) President plenary, International Primatological Society, Aug 16, Cancun, Mexico
- 4) University Autonoma Metropolitana-Iztapalapa, Aug 20, Mexico City, Mexico
- 5) Ecole Normale Supérieure, Nov 5, Paris, France
- 6) Le Muséum national d'Histoire naturelle, Nov 8, Paris, France
- 7) International Institute of Advanced Studies, Dec 8, Tokyo, Japan

2011

- 1) Malaysia Science University, Department of Biology, Feb 17, Penang, Malaysia
- 2) Borneo Rainforest Lodge, Malaysia-Sabah University, March 26, Danum Valley, Malaysia
- 3) Harvard University Dept of Psychology and Dept of Anthropology, April 27, Boston, USA
- 4) New York Consortium for Primatology, April 28, New York, USA
- 5) New York City University, April 29, New York, USA
- 6) University of Pennsylvania, Department of Psychology, May 2, Philadelphia, PA, USA
- 7) UCL, Institute of Child Health, May 17, London, UK
- 8) Cambridge University, Department of Anthropology and Archaeology, May 18, Cambridge, UK
- 9) Tamagawa-CALTEC joint symposium on Neuroscience, June 7, Kyoto, Japan
- 10) Association for the Scientific Study of Consciousness (ASSC15), June 12, Kyoto, Japan
- 11) Nairobi Workshop on Lithic Technology, Nairobi National Museum, Aug 6, Nairobi, Kenya
- 12) Wellcome Trust School on Biology of Social Cognition, Cambridge, UK
- 13) Ecole Normale Supérieure, Paris, France

2010

- 1) i-Brain symposium, University of Ghent, March 6, Brussels, Belgium
- 2) Seoul National Zoo, April 28, Seoul, Korea
- 3) Ewha Womans University, April 29, Seoul, Korea
- 4) UCL, Birkbeck and Institute of Cognitive Neuroscience, May 18, London, UK
- 5) Cold Spring Harbor Laboratory School on Biology of Social Cognition, July 15, CSHL, NY,

USA

- 6) International Society for the Study of Behavioral Development (ISSBD), July 21, Lusaka, Zambia
- 7) International Primatological Society, September 13, Kyoto, Japan

2009

- 1) Chimpanzee mind: a combining effort of fieldwork and laboratory work. 2009 AAAS Annual Meeting. February 12-16, Chicago, USA.
- 2) ESF-JSPS Frontier Science Conference Series for Young Researchers. February 28, Napoli, Italy.
- 3) Chimpanzee Mind. The Primate Mind, The "Ettore Majorana" symposium, June 4-7, Erice, Italy.

2008

- 1) Chimpanzee mind: a combining effort of fieldwork and laboratory work. Decade of the Mind3. May 7, Des Moines, USA.
- 2) Comparative cognitive science: trade-off theory of memory and symbolization in humans and chimpanzees. ASSC 12th Annual Meeting. June 21, Taipei, Taiwan.
- 3) Chimpanzee mind: evolution of human mind viewed from panthropology. XXIX International Congress of Psychology. July 24, Berlin, Germany.
- 4) Trade-off theory of memory and symbolization in humans and chimpanzees. International primatological society XXII. August 5, Edinburgh, UK.

2007

- 1) The history of the understanding chimpanzees conference series. The Mind of the Chimpanzee: An International Multidisciplinary Conference on Chimpanzee Cognition. March 22-25, Chicago, USA.
- 2) Cognitive development in chimpanzees: A synthesis of field and lab study. Comparative Cognition in Context Group. March 29, Toronto, Canada.

2006

- 1) Numerical processing in chimpanzees. The 24th European Workshop on Cognitive Neuropsychology. January 22-27, Bressanone, Italy
- 2) Green corridor: An attempt at saving chimpanzees in Bossou and Nimba. The Symbol of Collaboration between Guinea and Japan: Bossou 30 ans. November 27-29, Conakry, Guinea

2005

- 1) Animal behavior about number processing. NUMBRA/ESCOP Summer School "Neuroscience of number processing". July 3-10, Erice, Italy.
- 2) How do animals think? European Forum Alpbach. August 18-25, Alpbach, Austria.

2004

- 1) On HOPE project. The signing ceremony of JSPS and MPG. February 12, Munich, Germany.
- 2) Prerequisites of cultural transmission in chimpanzees. 21COE International Symposium on African Great Apes: Evolution, Diversity, and Conservation. March 4, Kyoto, Japan.
- 3) HOPE: A project of KUPRI and MPIEVA 2004-2009. First International Workshop of HOPE. March 6, Kyoto, Japan.
- 4) The mind of the chimpanzee: In the wild and in captivity. ROH Public Symposium on "Sequencing the Chimpanzee Genome: What Have We Learned?" March 12, La Jolla, CA, USA.
- 5) Cognition and personality in chimpanzees. ROH Expert Meeting on "Sequencing the Chimpanzee Genome: What Have We Learned?" March 13, La Jolla, USA.
- 6) Conservation of wild chimpanzees in West Africa. The 1st Meeting of the Section on Great Apes of the IUCN/SSC Primate Specialist Group. 17-19 April, Chicago, USA.