

Yoel Rak Output
(as of 18 May 2025)

Dissertation

1. 1981 The morphology and architecture of the Australopithecine face
Rak, Y. University of California, Berkeley

Books

1. 1983 The Australopithecine Face
Rak, Y. Academic Press ISBN: 978-1483206370

Peer Reviewed Articles

1. 1975 Skeletal Remains of an Ancient Jewish Population from French Hill, Jerusalem
Arensburg, B., & **Rak, Y.** Bulletin of the American Schools of Oriental Research, 219, 69-71
2. 1976 Evidence of violence on human bones in Israel, first and third centuries C.E.
Rak, Y., Arensburg, B., & Nathan, H. Palestine Exploration Quarterly, 108(1), 55-58
3. 1978 The functional significance of the squamosal suture in *Australopithecus boisei*
Rak, Y. American Journal of Physical Anthropology, 49, 71-78.
4. Sexing of Bedouin skeletons from Israel
Kobyliansky, E., Arensburg, B., & **Rak, Y.** Zeitschrift fur Morphologie und Anthropologie, 69(2), 205-208
5. Cranium of a juvenile *Australopithecus boisei* from the lower Omo Basin, Ethiopia
Rak, Y., & Howell, F.C. American Journal of Physical Anthropology, 48, 345-365
6. 1979 Ear ossicle of *Australopithecus robustus*
Rak, Y., & Clarke, R.J. Nature, 279(5708), 62-63
7. Aspects of the middle and external ear of early South African hominids
Rak, Y., & Clarke, R.J. American Journal of Physical Anthropology, 51(3), 471-473
8. The search for early man in Israel
Arensburg, B., & **Rak, Y.** The Quaternary of Israel, 201-209

9. 1980 Skeletal remains of Jews from the Hellenistic, Roman, and Byzantine periods in Israel
Arensburg, B., Goldstein, M.S., Nathan, H., & **Rak, Y.** Bulletins et Mémoires de la Société d'Anthropologie de Paris, 7(3), 175-186
10. 1981 Tempo and mode in hominin evolution
Cronin, J. E., Boaz, N. T., Stringer, C. B. & **Rak, Y.** Nature, 292(5819) 113-122
11. 1983 Découverte d'un squelette humain dans les niveaux moustériens de la grotte de Kebara (Israel)
Arensburg, B., Bar-Yosef, O., Belfer-Cohen, A., Chech, M., Goldberg, P., Laville, H., Meignen, L., **Rak, Y.**, Tchernov, E., Tillier, A.M., & Vandermeersch, B. Paléorient, 9(2), 53-54
12. Sexual dimorphism, ontogeny, and the beginning of differentiation of the robust Australopithecine clade
Rak, Y. In: Tobias, P.V. (ed) Hominid evolution: past, present, and future. Proceedings of the Taung Diamond Jubilee International Symposium, 233-237, Alan R. Liss ISBN: 978-0845142028
13. 1985 Functional morphology of the asterionic region in extant hominoids and fossil hominids
Kimbel, W.H., & **Rak, Y.** American Journal of Physical Anthropology, 66(1) 31-54
14. Remains of Humanity
Rak, Y., Nature, 314, 649
15. Observations on the pathology of the Jewish population in Israel (100 B.C. to. 600 C.E.)
Arensburg, B., Goldstein, M. S., & **Rak, Y.** Korot, 9(1-2), 73-83
16. Jewish skeletal remains from the period of the kings of Judea
Arensburg, B., & **Rak, Y.** Palestine Exploration Quarterly, 117(1), 30-34
17. Australopithecine taxonomy and phylogeny in light of facial morphology
Rak, Y. American Journal of Physical Anthropology, 66(3), 281-287
18. Systematic and functional implications of the facial morphology of *Australopithecus* and early *Homo*
Rak, Y. In: Delson, E. (ed) Ancestors: The hard evidence, 168-170, A.R. Liss ISBN: 978-0845102497

19. 1986 The Neanderthal: A new look at an old face
Rak, Y. Journal of Human Evolution, 15(3) 151-164
20. New data on the origin of modern man in the Levant
Bar-Yosef, O., Vandermeersch, B., Arensburg, B., Goldberg, P., Laville, H., Meignen, L., **Rak, Y.**, Tchernov, E., & Tillier, A.M. Current Anthropology, 27(1), 63-64
21. 1987 Thermoluminescence dates for the Neanderthal burial site at Kebara in Israel
Valladas, H., Joron, J. L., Valladas, G., Arensburg, B., Bar-Yosef, O., Belfer-Cohen, A., Goldberg, P., Laville, H., Meignen, L., Rak, Y., Tchernov, E., Tillier, A. M., & Vandermeersch, B. Nature, 330(6144), 159-160
22. Kebara 2 Neanderthal pelvis: First look at a complete inlet
Rak, Y., & Arensburg, B. American Journal of Physical Anthropology, 73(2), 227-231
23. 1988 Les Sépultures Néanderthaliennes Du Proche-Orient : État De La Question
Tillier, A.M., Vandermeersch, B., Arensburg, B., & **Rak, Y.** Paléorient, 14(2), 130-136
24. Skeletal remains from the Northern Church
Hershkovitz, I., Ring, B., **Rak, Y.**, & Arensburg, B. Excavations at Rehovot-in-the-Negev, 1, 193-209
25. 1989 A Middle Palaeolithic human hyoid bone
Arensburg, B., Tillier, A. M., Vandermeersch, B., Duday, H., Schepartz, L. A., & **Rak, Y.** Nature 338(6218), 758-760
26. Datations relatives, datations absolues: Les populations du Paléolithique moyen au Proche-Orient
Meignen, L., Valladas, H., Tchernov, E., Vandermeersch, B., Yosef, O. B., Tillier, A.-M., Arensburg, B., Belfer-Cohen, A., Goldberg, P., Laville, H., & **Rak, Y.** Bulletin de La Société Préhistorique Française, 86(10/12), 328-333
27. 1989 Néandertaliens et hommes modernes au Proche-Orient
Meignen, L., Vandermeersch, B., Tillier, A. M., Laville, H., Arensburg, B., Bar-Yosef, O., Belfer-Cohen, A., Goldberg, P., **Rak, Y.**, & Tchernov, E. Bulletin de la Société préhistorique française, 86(10), 354-362

28. 1990 On the differences between two pelvises of Mousterian context from the Qafzeh and Kebara caves, Israel
Rak, Y. American Journal of Physical Anthropology, 81(3), 323-332
29. Mousterian and Aurignacian human remains from Hayonim Cave, Israel
Arensburg, B., **Rak, Y.**, Bar-Yosef, F.O., & Belfer-Cohen, A. Paléorient, 16(1), 107-109
30. A reappraisal of the anatomical basis for speech in Middle Palaeolithic hominids
Arensburg, B., Schepartz, L. A., Tillier, A. M., Vandermeersch, B. & **Rak, Y.** American Journal of Physical Anthropology, 83(2), 137-146
31. 1991 On the squamosal suture of KNM-WT 17000
Rak, Y., & Kimbel, W.H. American Journal of Physical Anthropology, 85(1), 1-6
32. Lucy's pelvic anatomy: its role in bipedal gait
Rak, Y. Journal of Human Evolution, 20(4), 283-290
33. Anatomical basis for celiac trunk and superior mesenteric artery entrapment
Paz, Z., **Rak, Y.**, & Rosen, A. Clinical Anatomy, 4(4), 256-264
34. Amud Cave--1991 Season
Hovers, E., **Rak, Y.**, & Kimbel, W.H. Mitekufat Haeven: Journal of the Israel Prehistoric Society, 1991, 152-157
35. The contribution of Kebara to the funerary palethnology of the Neanderthals of the Near East
Tillier, AM, Arensburg, B., Vandermeersch, B., & **Rak, Y.** The Mousterian skeleton of Kebara 2, 89-95
36. 1992 The Excavations in Kebara Cave, Mt. Carmel [and Comments and Replies]
Bar-Yosef, O., Vandermeersch, B., Arensburg, B., Belfer-Cohen, A., Goldberg, P., Laville, H., Meignen, L., **Rak, Y.**, Speth, J. D., Tchernov, E., Weiner, S., Clark, G. A., Garrard, A., Henry, D. O., Hole, F., Roe, D., Rosenberg, K. R., Schepartz, L. A., Shea, J. J., ... Wilson, Current Anthropology, 33(5), 497-550
37. 1993 Reply to Drs. Walker, Brown, and Ward
Rak, Y., & Kimbel, W.H. American Journal of Physical Anthropology, 90(4), 506-507

38. Morphological Variation in *Homo neanderthalensis* and *Homo sapiens* in the Levant: A Biogeographic Model
Rak, Y. In: Kimbel, W.H., Martin, L.B. (eds) Species, Species Concepts and Primate Evolution. Advances in Primatology, 523-536, Springer ISBN: 978-1489937476
39. The Importance of Species Taxa in Paleoanthropology and an Argument for the Phylogenetic Concept of the Species Category
Kimbel, W.H., **Rak, Y.** . In: Kimbel, W.H., Martin, L.B. (eds) Species, Species Concepts and Primate Evolution. Advances in Primatology, 461-484, Springer ISBN: 978-1489937476
40. 1994 The first skull and other new discoveries of *Australopithecus afarensis* at Hadar, Ethiopia
Kimbel, W.H., Johanson, D.C. & **Rak, Y.** Nature, 368(6470), 449-451
41. The middle ear of *Australopithecus robustus*. Does it bear evidence of a specialized masticatory system?
Rak, Y. In: Corruccini, R.S., & Ciochon, R.L. Integrative Paths to the Past: Paleoanthropological Advances in Honor of F. Clark Howell, 223-227, Pearson ISBN: 978-0137067732
42. A Neandertal infant from Amud Cave, Israel
Rak, Y., Kimbel, W.H., & Hovers, E. Journal of Human Evolution, 26(4), 313-324
43. Middle Paleolithic dental bacteria from Kebara, Israel
Vandermeersch, B., Arensburg, B., Tillier, A.M., **Rak, Y.,** Weiner, S., Spiers, M., & Aspillaga, E. Comptes Rendus De L Academie Des Sciences Serie II, 319(6), 727-731
44. 1995 Hominid remains from Amud Cave in the context of the Levantine Middle Paleolithic
Hovers, E., **Rak, Y.,** Lavi, R., & Kimbel, W. H. Paléorient, 21(2), 47-61
45. Middle Paleolithic dental caries: new evidence from Kebara (Mount Carmel, Israel)
Tillier, A.M., Arensburg, B., **Rak, Y.,** & Vandermeersch, B., Journal of Human Evolution, 29(2), 189-192
46. 1996 The crescent of foramina in *Australopithecus afarensis* and other early hominids
Rak, Y., Kimbel, W.H., & Johanson, D.C. American Journal of Physical Anthropology, 101(1), 93-99

47. On Neandertal autapomorphies discernible in Neandertal infants: A response to Creed-Miles et al
Rak, Y., Kimbel, W. H., & Hovers, E. *Journal of Human Evolution*, 30(2), 155-158
48. Late Pliocene Homo and Oldowan tools from the Hadar Formation (Kada Hadar member), Ethiopia
Kimbel, W. H., Walter, R. C., Johanson, D. C., Reed, K. E., Aronson, J. L., Assefa, Z., Marean, C. W., Eck, G. G., Bobe, R., Hovers, E., **Rak, Y.**, Vondra, C., Yemane, T., York, D., Chen, Y., Evensen, N. M. & Smith, P. E. *Journal of Human Evolution*, 31(6), 549-561
49. 1997 Systematic assessment of a maxilla of *Homo* from Hadar, Ethiopia
Kimbel, W.H., Johanson, D.C. & **Rak, Y.** *American Journal of Physical Anthropology*, 103(2), 235-262
50. 1999 TL dates for the Neanderthal site of the Amud Cave, Israel
Valladas, H., Mercier, N., Froget, L., Hovers, E., Joron, J. L., Kimbel, W. H., & **Rak, Y.** *Journal of Archaeological Science*, 26(3), 259-268
51. 2000 The Amud 7 skeleton- still a burial. Response to Gargett
Hovers, E., Kimbel, W.H., **Rak, Y.** *Journal of Human Evolution*, 39, 253-260
52. 2000 Ha'Ela Cave — A Newly Discovered Prehistoric Site in the Western Galilee
Hovers, E., **Rak, Y.**, & Kimbel, W.H. *Mitekufat Haeven: Journal of the Israel Prehistoric Society*, 152-157
53. 2001 The relations between morphology, asymmetry of mutual articular facets, and range of movement, in the human hand joints
Nagar, Y., & **Rak, Y.** *Human Evolution*, 16(1), 49-61
54. 2002 Does *Homo Neanderthalensis* play a role in modern human ancestry? The mandibular evidence
Rak, Y., Ginzburg, A., & Geffen, E. *American Journal of Physical Anthropology*, 119(3), 199-204
55. Does any Mousterian cave present evidence of two hominin species?
Rak, Y. In: Akazawa, T., Aoki, K., Bar-Yosef, O. (eds) *Neandertals and Modern Humans in Western Asia*, 353-366, Springer ISBN: 978-0306459245

56. 2004 Late Pliocene *Homo* and Oldowan tools from the Hadar Formation (Kada Hadar member), Ethiopia
Rak, Y. In: Kimbel W.H. et al, The Human Evolution Source Book, Routledge ISBN: 978-1315663999
57. The Skull of *Australopithecus afarensis*
Kimbel, W. H., **Rak, Y.**, & Johanson, D. C. Oxford University Press ISBN: 978-0198035695
58. 2005 Associated cranial and forelimb remains attributed to *Australopithecus afarensis* from Hadar, Ethiopia
Drapeau, M. S. M., Ward, C. V., Kimbel, W. H., Johanson, D. C., & **Rak, Y.** Journal of Human Evolution, 48(6), 593-642
59. 2006 Was *Australopithecus anamensis* ancestral to *A. afarensis*? A case of anagenesis in the hominin fossil record
Kimbel, W. H., Lockwood, C. A., Ward, C. V., Leakey, M. G., **Rak, Y.**, & Johanson, D. C. Journal of Human Evolution, 51(2), 134-152
60. Overcoming the tension between scientific and religious views in teaching anatomical dissection: The Israeli experience
Notzer, N., Zisenwine, D., Oz, L., & **Rak, Y.** Clinical Anatomy, 19(5), 442-447
61. 2007 Gorilla-like anatomy on *Australopithecus afarensis* mandible suggests *Au. afarensis* link to robust australopiths
Rak, Y., Ginzburg, A., & Geffen, E. Proceedings of the National Academy of Sciences of the United States of America, 104(16), 6568-6572
62. 2008 Suggested guidelines for invasive sampling of hominin remains
Hublin, J. J., Pääbo, S., Derevianko, A. P., Doronichev, V. B., Golovanova, L. V., Friess, M., Froment, A., Hoffmann, A., Jillani Kachache, N. E., Kullmer, O., Lordkipanidze, D., Moncel, M. H., Potts, R., Radovicic, J., **Rak, Y. Z.**, Richards, M., Méndez, J. R., Rosas, A., Schmauder, M., ... Ziegler, R. Journal of Human Evolution, 55(4), 756-757
63. Auditory ossicles from southwest Asian Mousterian sites
Quam, R., & **Rak, Y.** Journal of Human Evolution, 54(3), 414-433
64. What Else Is the Tall Mandibular Ramus of the Robust Australopiths Good For?
Rak, Y., Hylander, W.L. In: Vinyard, C., Ravosa, M.J., Wall, C. (eds) Primate Craniofacial Function and Biology. Developments In Primatology: Progress and Prospects, 431-442, Springer ISBN: 978-038776585319

65. 2010 The cranial base of *Australopithecus afarensis*: New insights from the female skull
Kimbel, W.H., & **Rak, Y.** Philosophical Transactions of the Royal Society B: Biological Sciences, 365(1556), 3365-3376
66. *Australopithecus afarensis* and the Evolution of the Human Cranial Base
Kimbel, W.H., & **Rak, Y.** The FASEB Journal, 24, 293-2
67. The first two excavation seasons at NMO: A Mousterian site at the bank of the Jordan river
Sharon, G., Grosman, L., Fluck, H., Melamed, Y., **Rak, Y.**, Rabinovich, R., & Oron, M. Eurasian Prehistory, 7, 129-151
68. 2013 *Ardipithecus ramidus* and the evolution of the human cranial base
Kimbel, W.H., Suwa, G., Asfaw, B., **Rak, Y.**, & White, T.D. Proceedings of the National Academy of Sciences of the United States of America, 111(3), 948-953
69. A complete skull from Dmanisi, Georgia, and the evolutionary biology of early *Homo*
Lordkipanidze, D., De Ponce León, M. S., Margvelashvili, A., **Rak, Y.**, Rightmire, G. P., Vekua, A., & Zollikofer, C. P. E. Science, 342(6156), 326-331
70. 2017 The first Neanderthal remains from an open-air Middle Palaeolithic site in the Levant
Been, E., Hovers, E., Ekshtain, R., Malinski-Buller, A., Agha, N., Barash, A., Mayer, D. E. B. Y., Benazzi, S., Hublin, J. J., Levin, L., Greenbaum, N., Mitki, N., Oxilia, G., Porat, N., Roskin, J., Soudack, M., Yeshurun, R., Shahack-Gross, R., Nir, N., Stahlschmidt, M.C., **Rak, Y.**, & Barzilai, O. Scientific Reports, 7(1), Article 2958
71. Opposing Extremes of Zygomatic Bone Morphology : *Australopithecus boisei* versus *Homo neanderthalensis*
Rak, Y., & Marom, A. Anatomical Record, 300(1), 152-159
72. *Australopithecus sediba* and the emergence of *Homo*: Questionable evidence from the cranium of the juvenile holotype MH 1
Kimbel, W.H., & **Rak, Y.**, Journal of Human Evolution, 107, 94-106
73. On variation in the masticatory system of *Australopithecus boisei*
Rak, Y. In: Grine, F.E. (ed) Evolutionary History of the "Robust" Australopithecines, 193-198, Taylor and Francis ISBN: 978-0203792667

74. 2018 Persistent Neanderthal occupation of the open-air site of 'Ein Qashish, Israel
Ekshtain, R., Malinsky-Buller, A., Greenbaum, N., Mitki, N., Stahlschmidt, M. C., Shahack-Gross, R., Nir, N., Porat, N., Bar-Yosef Mayer, D. E., Yeshurun, R., Been, E., **Rak, Y.**, Agha, N., Brailovsky, L., Krakovsky, M., Spivak, P., Ullman, M., Vered, A., Barzilai, O., & Hovers, E. PLoS One, 14(6), Article e0215668
75. Mechanical implications of the mandibular coronoid process morphology in Neandertals
Marom, A., & **Rak, Y.** American Journal of Physical Anthropology, 166(2), 401-407
76. 2019 Reconstructing Denisovan Anatomy Using DNA Methylation Maps
Gokhman, D., Mishol, N., de Manuel, M., de Juan, D., Shuqrun, J., Meshorer, E., Marques-Bonet, T., **Rak, Y.**, & Carmel, L. Cell, 179(1), 180-192
77. Foreword
Rak, Y. In: Spinal Evolution: Morphology, Function, and Pathology of the Spine in Hominoid Evolution, v-vii, Springer ISBN: 978-3030193485
78. 2020 Reconstructing Denisovan Anatomy Using DNA Methylation Maps
Gokhman, D., Mishol, N., de Manuel, M., de Juan, D., Shuqrun, J., Meshorer, E., Marques-Bonet, T., **Rak, Y.**, & Carmel, L. Cell, 180(3), 601
79. A partial Neanderthal foot from the Late Middle Paleolithic of Amud cave, Israel
Pearson, O.M., Pablos, A., **Rak, Y.**, & Hovers, E. PaleoAnthropology, 98-125
80. 2021 The DNH 7 skull of *Australopithecus robustus* from Drimolen (Main Quarry), South Africa
Rak, Y., Kimbel, W. H., Moggi-Cecchi, J., Lockwood, C. A. & Menter, C. Journal of Human Evolution, 151, 102913
81. One hominin taxon or two at Malapa Cave? Implications for the origins of *Homo*
Rak, Y., Geffen, E., Hylander, W., Ginzburg, A. & Been, E. South African Journal of Science, 117(5), 8747
82. Comment on "A middle Pleistocene *Homo* from Nesher Ramla, Israel"
Marom, A., & **Rak, Y.** Science, 374(6572), Article eab14336
83. 2024 The Neanderthal nature of the Atapuerca Sima de los Huesos mandibles
Quam, R., Martínez, I., **Rak, Y.**, Hylander, B., Pantoja, A., Lorenzo, C., Conde-Valverde, M., Keeling, B., Ortega Martínez, M. C., & Arsuaga, J. L. Anatomical Record, 307(7), 2343-2393

Preprints

1. 2024 Candidate Denisovan fossils identified through gene regulatory phenotyping
Mishol, N., Herzlinger, G., **Rak, Y.**, Smilansky, U., Carmel, L., & Gokhman, D. bioRxiv

Peer Reviewed Abstracts: Talks and Posters

1. 1977 Sexing of Long Bones by Discriminate Function Analysis
Kobilyansky, E., Arensburg, B., & **Rak, Y.** Acta Anatomica, 99(3), 284-285
2. 1978 Sex-Ratio and anthropometric characteristics in ancient Jewish population of Israel
Kobilyansky, E., **Rak, Y.**, & Arensburg, B. Israel Journal of Medical Sciences, 14(8), 897-898
3. 1978 Skeletal Sexing by Discriminate Analysis
Kobilyansky, E., Arensburg, B., & **Rak, Y.** Israel Journal of Medical Sciences, 14(8), 897-898
4. 1980 Punctuated Equilibrium in hominid evolution- evidence from the genetics of speciation
Cronin, J.E., Boaz, N.T., **Rak, Y.**, & Stringer, C. American Journal of Physical Anthropology, 52(2), 217
5. 1985 A Neanderthalian sepulture in the Kebara Cave (Israel)
Arensburg, B., Yosef, O.B., Chech, M., Golderg, P., Laville, H., Meignen, L., **Rak, Y.**, Tchernov, E., Tillier, A.M., & Vandermeersch, B. Comptes Rendus de l'Academie des Sciences Serie II, 300(6), 227-230
6. 1987 What's so robust about the hyperrobust *Australopithecus boisei*
Rak, Y., American Journal of Physical Anthropology, 72(2), 244
7. 1988 La Pensee
Arensburg, B., Belfer-Cohen, A., Goldberg, P., Laville, H., Meignen, L., **Rak, Y.**, Tchernov, E., Tillier, A.M., & Vandermeersch, B. Service de Prehistoire, Universite de Liege
8. 2003 Neandertal facial morphology and increased jaw gape
Rak, Y., & Hylander, W.L. American Journal of Physical Anthropology, 174
9. A new hominin skull from Hadar: implications for cranial sexual dimorphism in *Australopithecus afarensis*
Kimbel, W.H., Rak, Y., & Johanson, D. American Journal of Physical Anthropology, 129

10. Was *Australopithecus anamensis* ancestral to *A-afarensis*?
Ward, C.V., Lockwood, C.A., Kimbel, W.H., Leakey, M.G. Johansen, D.C., & **Rak, Y.**
American Journal of Physical Anthropology, 219-220
11. 3D morphometric study of the temporomandibular joint and its implication on species recognition in *Homo erectus*
Barash, A., & **Rak, Y.Z.**, American Journal of Physical Anthropology, 62
12. 2005 What else is the tall mandibular ramus in *A. boisei* good for?
Rak, Y. American Journal of Physical Anthropology, 171
13. Sexual dimorphism and the mandibular fossa of great apes
Barash, A., & **Rak, Y.** American Journal of Physical Anthropology, 69
14. 2006 The significance of derived characters that *Australopithecus afarensis* shares with the robust clade
Rak, Y., & Kimbel, W. American Journal of Physical Anthropology, 150-151
15. The lumbar lordosis of *Homo neanderthalensis*
Been, E., Pessah, H., Peleg, S., & **Rak, Y.** American Journal of Physical Anthropology, 63
16. 2009 Opposing extremes of jaw mechanics: *Australopithecus boisei* vs. *Homo neanderthalensis*
Rak, Y., & Hylander, W. American Journal of Physical Anthropology, 217
17. Functional implications of the unique Neandertal face
Marom, A., & **Rak, Y.** American Journal of Physical Anthropology, 183
18. 2010 Petrous bone orientation, foramen magnum position, and the evolution of early hominids
Barash, A., Been, E., & **Rak, Y.** American Journal of Physical Anthropology, 61
19. 2011 The role of erect posture in shaping the hominid cranial base
Barash, A., Been, E., & **Rak, Y.** American Journal of Physical Anthropology, 144, 81
20. New Middle Pleistocene mandibles from the Sima de los Huesos (Sierra de Atapuerca, Spain)
Quam, R., Martinez, I., **Rak, Y.**, Hylander, B., Gracia, A., & Luis Arsuaga, J. American Journal of Physical Anthropology, 144, 244

21. The problematic hypodigm of *Homo heidelbergensis*
Rak, Y., Hylander, W. Quam, R., Martinez, I., Gracia, A., & Arsuaga, L. American Journal of Physical Anthropology, 144, 247
22. 2012 Amud 7, a Neandertal infant from Amud Cave, Israel
Been, E., & **Rak, Y.** American Journal of Physical Anthropology, 147(S54), 94
23. 2014 Cervical lordosis and the orientation of the foramen magnum, implications to human evolution
Been, E., Shefi, S., Soudack, M., Zilka, L. R., Barash, A., & **Rak, Y.** American Journal of Physical Anthropology, 153
24. The lumbar spine of *Australopithecus sediba* indicates two hominid taxa
Been, E., & **Rak, Y.** Paleoanthropology
25. 2015 Human Remains from the Late Middle Paleolithic Open-Air Site of Ein Qashish, Yizra'el Valley, Israel
Been, E., Levin, L., Barzilai, O., Ekshtain, R., Malinsky-Buller, A., Greenbaum, N., Agha, N., **Rak, Y.**, & Hovers, E. European Society for the study of Human Evolution, Annual Meeting
26. The phylogenetic position of *Homo heidelbergensis*
Rak, Y., & Hylander, W.L. American Journal of Physical Anthropology, 156
27. AL 333-105: Virtual reconstruction and 3D printing of *Australopithecus afarensis* child
Barash, A., Been, E., & **Rak, Y.** American Journal of Physical Anthropology, 156, 78
28. 2016 Mathematical model of spinal curvature: implications to human evolution
Been, E., Gomez-Olivencia, A., Kramer, P., Arlegi, M., Barash, A., & **Rak, Y.** American Association of Physical Anthropologists, 85th Annual Meeting
29. What do we really know about the origin of Humans?
Rak, Y., & Been, E. European Society for the study of Human Evolution, Annual Meeting
30. 2016 Knee joint pathology in Ein Qashish 3 (EQH-3) Neandertal
Been, E., **Rak, Y.**, Levin, L., Alon, B., Ekshtain, R., & Barzilai, O. European Society for the study of Human Evolution, Annual Meeting

31. 2017 *Australopithecus sediba* and the origin of *Homo*: Questionable evidence from the cranium of the juvenile holotype MH 1
Kimbel, W.H., & **Rak, Y.**, American Journal of Physical Anthropology, 162, 243
32. 2018 The role of DNH 7, a female *A-robustus* skull, in illuminating the evolutionary history of the robust australopiths
Rak, Y., Kimbel, W. H., Menter, C., & Lockwood, C. A. American Journal of Physical Anthropology, 165, 219
33. 2019 Amud 9, a partial Neandertal foot from Late Mousterian of Israel
Pearson, O.M., Pablos Fernandez, A., **Rak, Y.**, & Hovers, E. American Association of Physical Anthropologists, Paleoanthropology Society Annual Meeting
34. Canine-root size variation and its influence on the pattern of sexual dimorphism in the facial skeleton of *Australopithecus afarensis*
Kimbel, W.H., **Rak, Y.**, & Lawrence, J. American Journal of Physical Anthropology, 168, 125
35. 2023 On the trunk muscles of Kebara 2 neanderthal
Been E., Sachar, M., **Rak, Y.**, & Barash, A. American Association of Biological Anthropologists, Annual Meeting
36. 2024 The developing morphology of the hominin ilium: preliminary morphometric results
Figus, C., Carlson, K.J., Collina, F., Vazzana, A., Colombo, A., Bartolini, E., **Rak, Y.**, Golovanova, L.V., Doronichev, V.B., Sorrentino, R., Belcastro, M.G., Hublin, J.J., Ryan, T.M. & Benazzi, S. 14th Annual Meeting of the ESHE, PaleoAnthropology, 2024 (2), 421
37. Reconstruction of Amud 7 baby Neandertal, and its implications for Neandertal evolution
Been, E., **Rak, Y.**, & Barash, Alon. American Journal of Biological Anthropology, 183, 15

Articles, Reviews, and Published Letters

1. 1985 The Australopithecine Face
Hansinger, M.J., & **Rak, Y.** American Antiquity, 50(1), 215
2. 1995 Fossil collecting
Johanson, D. C., Kimbel, W. H., Walter, R. C., Voudra, C., Yemane, T., Aronson, J. L., Eck, G. G., **Rak, Y.** Z., Hovers, E., Reed, K. E. & Bobe-Quinteros, R. Science, 268(5214), 1113
3. 1996 Neandertals of the Levant: A baby's burial sheds light on the development and behaviour of the species
Hovers, E., & **Rak, Y.** Archaeology, 49(1), 49-50

4. 2011 Heading Toward Humanhood

Rak, Y. Evolutionary Anthropology: Issues, News, and Reviews, 20(4), 158-160