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2023 [as of September 9, 2023]

- [140] Motani, R., and **K. Shimada**. Accepted. Skeletal convergence in thunniform sharks, ichthyosaurs, whales, and tunas, and its possible ecological links through the marine ecosystem evolution. *Scientific Reports*.
- [139] Kovalchuk, O., J. Kriwet, **K. Shimada**, T. Ryabokon, Z. Barkaszi, A. Dubikovska, G. Anfimova, and S. Davydenko. 2023. Middle Eocene chondrichthyans of the Dnieper–Donets Basin, northern Ukraine. *Palaeontologia Electronica*, 26(2):a32. DOI: 10.26879/1283.
- [138] **Shimada, K.**, Y. Yamaoka, Y. Kurihara, Y. Takakuwa, H. M. Maisch IV, M. A. Becker, R. A. Eagle, and M. L. Griffiths. 2023. Tessellated calcified cartilage and placoid scales of the Neogene megatooth shark, *Otodus megalodon* (Lamniformes: Otodontidae), offer new insights into its biology and the evolution of regional endothermy and gigantism in the otodontid clade. *Historical Biology*. DOI: 10.1080/08912963.2023.2211597.
- [137] Griffiths, L. M., R. A. Eagle, S. L. Kim, R. Flores, M. A. Becker, H. M. Maisch IV, R. B. Traylor, R. L. Chan^G, J. McCormack, A. A. Akhtara, A. K. Tripatib, and **K. Shimada**. 2023. Endothermic physiology of extinct megatooth sharks. *Proceedings of the National Academy of Sciences*. DOI: 10.1073/pnas.2218153120.
- [136] Arroyo, L.^U, and **K. Shimada**. 2023. A new fossil marine vertebrate assemblage from the Upper Cretaceous Fairport Chalk in Russell County, Kansas, U.S.A. *Transactions of the Kansas Academy of Science*, 126:1–10.
- [135] Becker, M. A., C. G. Kline, H. M. Maisch, P. C. Sternes, and **K. Shimada**. 2023. Additional first-hand observations of piebaldism in the nurse shark *Ginglymostoma cirratum* with comments on habitat and behavior, East Bahia Honda, Florida Keys, USA. *Florida Scientist*, 86(1):13–16.
- [134] Silva, J. P. C. B., **K. Shimada**, and A. Datovo. 2023. The importance of the appendicular skeleton for the phylogenetic reconstruction of lamniform sharks (Chondrichthyes: Elasmobranchii). *Journal of Morphology*, 284:e21585. DOI: 10.1002/jmor.21585.
- [133] Krak, A. M.^{U-G}, and **K. Shimada**. 2023. The dentition of the extinct megamouth shark, *Megachasma applegatei* (Lamniformes: Megachasmidae), from southern California, USA, based on geometric morphometrics. *PaleoBios* 40(1):1–10. DOI: 10.5070/P940160139.

2022

- [132] **Shimada, K.** 2022. Phylogenetic affinity of the extinct shark family Otodontidae within Lamniformes remains uncertain—Comments on “List of skeletal material from megatooth sharks (Lamniformes, Otodontidae)” by Greenfield. *Paleoichthys*, 6:1–5.
- [131] Lin, C.-Y.^G, C.-H. Lin, and **K. Shimada**. 2022. A previously overlooked, highly diverse early Pleistocene elasmobranch assemblage from southern Taiwan. *PeerJ* 10:e14190. DOI: 10.7717/peerj.14190.
- [130] Tanoue, K., and **K. Shimada**. 2022. Jaw mechanics in macrophagous lamniform sharks and their evolutionary and functional implications. *Anatomical Record*, 1–15. DOI: 10.1002/ar.25071.
- [129] Kast, E. R., M. L. Griffiths, S. L. Kim, Z. C. Rao^U, **K. Shimada**, M. A. Becker, H. M. Maisch, R. A. Eagle, C. A. Clark, A. N. Neumann^U, T. Lüdecke, J. N. Leichliter, A. Martínez-García, A. A. Akhtar, X. T. Wang, G. H. Haug, and D. M. Sigman. 2022. Cenozoic megatooth sharks occupied extremely high trophic positions. *Science Advances*, 8(25):eabl6529. DOI: 10.1126/sciadv.abl6529.
- [128] McCormack, J., M. L. Griffiths, S. L. Kim, **K. Shimada**, M. Karnes, H. Maisch, IV, S. Pederzani, N. Bourgon, K. Jaouen, M. A. Becker, N. Jöns, G. Sisma-Ventura, N. Straube, J. Pollerspöck, J.-J. Hublin, R. A. Eagle, and T. Tütken. 2022. Trophic position of *Otodus megalodon* and great white sharks through time revealed by zinc isotopes. *Nature Communications*, 13:2980. DOI: 10.1038/s41467-022-30528-9.
- [127] Allen, J. G.^G, and **K. Shimada**. 2022. Fossil vertebrates from a unique marine bonebed of the Upper Cretaceous Smoky Hill Chalk, western Kansas, U.S.A.: new insights into the paleoecology of the Niobrara Formation. *Journal of Vertebrate Paleontology*, 41(6): e2066999. DOI: 10.1080/02724634.2021.2066999.
- [126] Wood, J. J.^G, D. Garza^U, B. A. Schumacher, P. B. Gonzales^U, and K. Shimada. 2022. Fossil marine vertebrates from the Juana Lopez Member of the Upper Cretaceous Carlile Shale in southeastern Colorado, USA. *Transactions of the Kansas Academy of Science*, 125(1-2):77–89.
- [125] **Shimada, K.**, H. M. Maisch IV, V. J. Perez, M. A. Becker, and M. L. Griffiths. 2022. Revisiting body size trends and nursery areas of the Neogene megatooth shark, *Otodus megalodon* (Lamniformes: Otodontidae) reveals Bergmann's rule possibly enhanced its gigantism in cooler waters. *Historical Biology*. DOI: 10.1080/08912963.2022.2032024.
- [124] Sternes, P. C., J. J. Wood^G, and **K. Shimada**. 2022. Body forms of extant lamniform sharks (Elasmobranchii: Lamniformes), and comments on the morphology of the extinct megatooth shark, *Otodus megalodon*, and the evolution of lamniform thermophysiology. *Historical Biology*. DOI: 10.1080/08912963.2021.2025228.

2021

- [123] Feichtinger, I, S. Adnet, G. Cuny, G. Guinot, J. Kriwet, T. A. Neubauer, J. Pollerspöck, **K. Shimada**, N. Straube, C. Underwood, R. Vullo, and M. Harzhauser. 2021. Comment on "An early Miocene extinction in pelagic sharks." *Science*, 374(6573):eabk0632. DOI: 10.1126/science.abk0632.

- [122] Maisch, H. M., IV, M. A. Becker, and **K. Shimada**. 2021. Fossil fishes from a lag deposit within the Upper Cretaceous Mancos Shale in New Mexico, USA, with comments on correlative Turonian–Coniacian time-transgressive lags in the Western Interior Seaway of North America. *Cretaceous Research*, 126:104886. DOI: 10.1016/j.cretres.2021.104886.
- [121] **Shimada, K.**, D. S. Portillo^U, and T. J. Cronin^U. 2021. A new pycnodont specimen (Actinopterygii: Pycnodontiformes) from the Upper Cretaceous of Big Bend National Park, Texas, USA, confirming the bony fish genus *Macropycnodon* as a junior synonym of *Acrotemnus*. *Cretaceous Research*, 124: 104797. DOI: 10.1016/j.cretres.2021.104797.
- [120] Hacker, R. J.^G, and **K. Shimada**. 2021. A new ichthyodectiform fish (Osteichthyes: Actinopterygii) from the Arlington Member (mid-Cenomanian) of the Upper Cretaceous Woodbine Formation in Texas, USA. *Cretaceous Research*, 123: 104798. DOI: 10.1016/j.cretres.2021.104798.
- [119] **Shimada, K.**, M. F. Bonnan, M. A. Becker, and M. L. Griffiths. 2021. Ontogenetic growth pattern of the extinct megatooth shark *Otodus megalodon*—implications for its reproductive biology, development, and life expectancy. *Historical Biology*, DOI: 10.1080/08912963.2020.1861608.

2020

- [118] Hacker, R. J.^G, M. G. London, and **K. Shimada**. 2020. Putative remains of an enigmatic Cretaceous bony fish, *Palaeonotopterus greenwoodi* (Teleostei: Osteoglossomorpha), from Alabama, U.S.A. *Transactions of Kansas Academy of Science*, 123(3–4):441–447.
- [117] Fielitz, C., and **K. Shimada**. 2020. A possible undescribed aulopiform bony fish allied close to the genus *Apateodus* from the Upper Cretaceous Niobrara Chalk of Kansas, U.S.A. *Transactions of Kansas Academy of Science*, 123(3–4):435–440.
- [116] **Shimada, K.** 2020. An enigmatic snouted bony fish, *Plethodus* sp. (Actinopterygii: Tselfatiiformes), from the Upper Cretaceous Eagle Ford Group of Texas, U.S.A. *Transactions of Kansas Academy of Science*, 123(3–4):429–434.
- [115] **Shimada, K.**, and H. D. Hanks. 2020. Shark-bitten hesperornithiform bird bone from a Turonian (Upper Cretaceous) marine deposit of northeastern South Dakota, U.S.A. *Transactions of Kansas Academy of Science*, 123(3–4):414–418.
- [114] Paillard, A.^G, **K. Shimada**, and C. Pimiento. 2020. The fossil record of extant elasmobranchs. *Journal of Fish Biology*. DOI: 10.1111/jfb.14588.
- [113] **Shimada, K.**, M. A. Becker, and M. L. Griffiths. 2020. Body, jaw, and dentition lengths of macrophagous lamniform sharks, and body size evolution in Lamniformes with special reference to ‘off-the-scale’ gigantism of the megatooth shark, *Otodus megalodon*. *Historical Biology*. DOI: 10.1080/08912963.2020.1812598.
- [112] London, M. G.^G, and **K. Shimada**. 2020. A new pachyrhizodontid fish (Actinopterygii: Teleostei) from the Tarrant Formation (Cenomanian) of the Upper Cretaceous Eagle Ford Group in Texas, USA. *Cretaceous Research* 113:104490. DOI: 10.1016/j.cretres.2020.104490.
- [111] Villafaña, J. A., S. Hernandez, A. Alvarado, **K. Shimada**, C. Pimiento, M. Rivadeneira, J. Kriwet. 2020. First evidence of a palaeo-nursery area of the great white shark. *Scientific Reports* 10, 8502. DOI: 10.1038/s41598-020-65101-1.

- [110] Sternes, P. C.^G, and **K. Shimada**. 2020. Body forms in sharks (Chondrichthyes: Elasmobranchii), and their functional, ecological, and evolutionary implications. *Zoology* 140:125799. DOI: 10.1016/j.zool.2020.125799.
- [109] Frumkin, J. A.^G, and **K. Shimada**. 2020. Integument-based inferences on the swimming ability and prey hunting strategy of the bigeye thresher shark, *Alopias superciliosus* (Lamniformes: Alopiidae). *Zoomorphology*, 139:213–229. DOI 10.1007/s00435-020-00484-3.
- [108] **Shimada, K.** 2020 [online version 2019]. The size of the megatooth shark, *Otodus megalodon* (Lamniformes: Otodontidae), revisited. *Historical Biology*. DOI: 10.1080/08912963.2019.1666840.

2019

- [107] **Shimada, K.**, and M. J. Everhart. 2019. A new large Late Cretaceous lamniform shark from North America with comments on the taxonomy, paleoecology, and evolution of the genus *Cretodus*. *Journal of Vertebrate Paleontology* 39:e1673399 (25 pages). DOI: 10.1080/02724634.2019.1673399.
- [106] Stone, N. R.^G, and **K. Shimada**. 2019. Skeletal anatomy of the bigeye sandtiger shark, *Odontaspis noronhai* (Lamniformes: Odontaspidae), and its implications for lamniform phylogeny, taxonomy, and conservation biology. *Copeia*, 107(4):632–652.
- [105] **Shimada, K.** 2019. A new species and biology of the Late Cretaceous 'blunt-snouted' bony fish, *Thryptodus* (Actinopterygii: Tselfatiiformes), from the United States. *Cretaceous Research*, 101:92–107.
- [104] Cronin, T. J.^U, and **K. Shimada**. 2019. New anatomical information on the Late Cretaceous bony fish, *Micropycnodon kansasensis* (Actinopterygii: Pycnodontiformes), from the Niobrara Chalk of western Kansas, U.S.A. *Transactions of Kansas Academy of Science*, 122(1–2):19–28.
- [103] Pimiento, C., J. L. Cantalapiedra, **K. Shimada**, D. J. Field, and J. B. Smaers. 2019. Evolutionary pathways towards shark gigantism. *Evolution*, 73(3):588–599.

2018

- [102] Johnson-Ransom, E. D.^U, E. V. Popov, T. A. Deméré, and K. Shimada. 2018. The Late Cretaceous chimaeroid fish, *Ischyodus bifurcatus* Case (Chondrichthyes: Holocephali), from California, USA, and its paleobiogeographical significance. *Paleontological Research*, 2(4):364–372.
- [101] Guinot, G., S. Adnet, **K. Shimada**, C. J. Underwood, M. Siversson, D. J. Ward, J. Kriwet, and H. Cappetta. 2018. On the need of providing tooth morphology in descriptions of extant elasmobranch species. *Zootaxa*, 4461(1):118–126.
- [100] Jacobs, P. K.^U, and **K. Shimada**. 2018. Ontogenetic growth pattern of the extant smalltooth sandtiger shark, *Odontaspis ferox* (Lamniformes: Odontaspidae)—application from and to paleontology. *Journal of Fossil Research*, 51(1):23–29.
- [99] Guzzo, F.^U, and **K. Shimada**. 2018. A new fossil vertebrate locality of the Jetmore Chalk Member of the Upper Cretaceous Greenhorn Limestone in north-central Kansas, U.S.A. *Transactions of the Kansas Academy of Science*, 121(1-2):59–68.

- [98] Sternes, P. C.^G, and **K. Shimada**. 2018. Paleobiology of the Late Cretaceous sclerorhynchid sawfish, *Ischyrrhiza mira* (Elasmobranchii: Rajiformes), from North America based on new anatomical data. *Historical Biology*, 31:1323–1340.

2017

- [97] **Shimada, K.** 2017. The Late Cretaceous 'blunt-snouted' bony fish, *Thryptodus zitteli* (Actinopterygii: Tselfatiiformes), from the Tombigbee Sand of Alabama, U.S.A., and comments on preservational and ontogenetic variations of *Thryptodus* rostra. *Transactions of the Kansas Academy of Science*, 120(3–4):227–232.
- [96] **Shimada, K.**, R. E. Chandler, O. L. T. Lam, T. Tanaka, and D. J. Ward. 2017 [online version: 2016]. A new elusive otodontid shark (Lamniformes: Otodontidae) from the lower Miocene, and comments on the taxonomy of otodontid genera, including the 'megatoothed' clade. *Historical Biology*, 29(5):704–714.

2016

- [95] **Shimada, K.**, and D. J. Ward. 2016. The oldest fossil record of the megamouth shark from the late Eocene of Denmark and comments on the enigmatic megachasmid origin. *Acta Palaeontologica Polonica*, 61(4):839–845.
- [94] **Shimada, K.**, N. Egi, T. Tsubamoto, Maung-Maunge, Thaug-Htike, Zin-Maung-Maung-Thein, Y. Nishioka, T. Sonoda, and M. Takai. 2016. Extinct river shark *Glyphis pagoda* (Noetling) from the Miocene of Myanmar, and review of the fossil record of the genus *Glyphis* (Carchrhiniiformes: Carcharhinidae). *Zootaxa*, 4161(2):237–251.
- [93] Bice, K. N.^G, and **K. Shimada**. 2016. Fossil marine vertebrates from the Codell Sandstone Member (middle Turonian) of the Upper Cretaceous Carlile Shale in Jewell County, Kansas, USA. *Cretaceous Research*, 65:172–198.
- [92] McIntosh, A. P.^G, **K. Shimada**, and M. J. Everhart. 2016. Late Cretaceous marine vertebrate fauna from the Fairport Chalk Member of the Carlile Shale in southeastern Ellis County, Kansas, USA. *Transactions of Kansas Academy of Science*, 119(2):222–230.
- [91] Johnson-Ransom, E.^U, **K. Shimada**, and J. I. Kirkland. 2016. The Late Cretaceous lamniform shark, *Cretoxyrhina mantelli*, from the Fairport Chalky Shale Member of the Carlile Shale in northeastern Nebraska. *Transactions of Kansas Academy of Science*, 119(2):208–210.
- [90] Ouroumova, O.^U, **K. Shimada**, and J.I. Kirkland. 2016. Fossil marine vertebrates from the Blue Hill Shale Member (middle Turonian) of the Upper Cretaceous Carlile Shale in northeastern Nebraska. *Transactions of Kansas Academy of Science*, 119(2):211–221.
- [89] Johnson-Ransom, E.^U, and **K. Shimada**. 2016. Fossil fishes from the Pfeifer Shale Member of the Upper Cretaceous Greenhorn Limestone in north-central Kansas, U.S.A. *Transactions of Kansas Academy of Science*, 119(2):201–207.
- [88] **Shimada, K.** 2016. A new species of the Late Cretaceous 'sail-finned' bony fish, *Pentanogmius* (Actinopterygii: Tselfatiiformes), from Texas, USA. *Cretaceous Research*, 61:188–198.

- [87] Schumacher, B. A., **K. Shimada**, J. Liston, and A. Maltese. 2016. Highly specialized suspension-feeding bony fish *Rhinconichthys* (Actinopterygii: Pachycormiformes) from the mid-Cretaceous of the United States, England, and Japan. *Cretaceous Research*, 61:71–85.

2015

- [86] **Shimada, K.**, E. V. Popov, M. Siversson, B. J. Welton, and D. J. Long. 2015. A new clade of putative plankton-feeding sharks from the Upper Cretaceous of Russia and the United States. *Journal of Vertebrate Paleontology* 35:5, e981335, DOI: 10.1080/02724634.2015.981335
- [85] **Shimada, K.** 2015. Body form and paleoecology of the large Late Cretaceous bony fish, *Pachyrhizodus caninus*. *Cretaceous Research*, 52:286–291.

2014

- [84] Nelms, A.^U, A. P. McIntosh^G, and **K. Shimada**. 2014. Fossil fishes from the Jetmore Chalk Member (Lower Turonian) of the Upper Cretaceous Greenhorn Limestone in north-central Kansas. *Transactions of Kansas Academy of Science*, 117:245–252.
- [83] **Shimada, K.**, B. J. Welton, and D. J. Long. 2014. A new fossil megamouth shark (Lamniformes: Megachasmidae) from the Oligocene–Miocene of the western United States. *Journal of Vertebrate Paleontology*, 34:281–290.
- [82] Gorman, K. L.^U, **K. Shimada**, and B. J. Witzke. 2014. Late Cretaceous marine fishes from the basal Greenhorn Limestone in western Iowa. *Transactions of Kansas Academy of Science*, 117:91–99.

2013

- [81] Meglei, A. D.^U, I. **K. Shimada**, and J. I. Kirkland. 2013. Fossil vertebrates from the middle Graneros Shale (Upper Cretaceous: middle Cenomanian) in southeastern Nebraska. *Transactions of Kansas Academy of Science*, 116(3–4):129–135.
- [80] Bice, K. N.^G, **K. Shimada**, and J. I. Kirkland. 2013. Late Cretaceous marine fishes from the upper Greenhorn Limestone in southeastern Nebraska. *Transactions of Kansas Academy of Science*, 116(1–2):22–26.
- [79] Achebe, I. B.^U, **K. Shimada**, B. Reilly, and C. K. Rigsby. 2013. Morphology of jaw suspension in crocodile shark, *Pseudocarcharias kamoharai* (Chondrichthyes: Pseudocarchariidae) and its evolutionary implications. *Journal of Fossil Research*, 46(1): 20–28.
- [78] Hansen, B. B., G. Cuny, B. W. Rasmussen, **K. Shimada**, P. Jacobs^U, and C. Heilmann-Clausen. 2013. Associated skeletal and dental remains of a fossil odontaspimid shark (Elasmobranchii: Lamniformes) from the middle Eocene Lillebælt Clay Formation in Denmark. *Bulletin of the Geological Society of Denmark*, 61:37–46.
- [77] **Shimada, K.** 2013. Chondrichthyan origin for the fossil record of the tsselfatiiform osteichthyan fish, *Thryptodus zitteli* Loomis, from the Upper Cretaceous Mooreville Chalk of Alabama. *Bulletin of Alabama Museum of Natural History*, 31(1):72–77.

- [76] Jansen, K. R.^U, **K. Shimada**, and J. I. Kirkland. 2013 [date of imprint: 2012]. Fossil fish fauna from the uppermost Graneros Shale (Upper Cretaceous: middle Cenomanian) in southeastern Nebraska. *Transactions of Kansas Academy of Science*, 115(3–4):145–152.
- [75] Dickerson, A.^U, **K. Shimada**, B. Reilly, and C. K. Rigsby. 2013 [date of imprint: 2012]. New data on the Late Cretaceous lamniform shark, *Cardabiodon* sp., based on an associated specimen from Kansas. *Transactions of Kansas Academy of Science*, 115(3–4):125–133.
- [74] Gallardo, C.^U, **K. Shimada**, B. A. Schumacher. 2013 [date of imprint: 2012]. A new Late Cretaceous marine vertebrate assemblage from the basal Lincoln Limestone Member of the Greenhorn Limestone in southeastern Colorado. *Transactions of the Kansas Academy of Science*, 115(3–4):107–116.
- [73] Kim, S. H.^G, **K. Shimada**, and C. K. Rigsby. 2013. Anatomy and evolution of heterocercal tail in lamniform sharks. *Anatomical Record*, 296:433–442.
- [72] Friedman, M., **K. Shimada**, M. J. Everhart, K. J. Irwin, B. S. Grandstaff, and J. D. Stewart. 2013. Geographic and stratigraphic distribution of the Late Cretaceous suspension-feeding bony fish *Bonnerichthys gladius* (Teleostei: Pachycormiformes). *Journal of Vertebrate Paleontology*. 33(1):35–47.

2012

- [71] **Shimada, K.** 2012. Dentition of Late Cretaceous shark *Ptychodus mortoni* (Chondrichthyes: Elasmobranchii). *Journal of Vertebrate Paleontology*, 32:1271–1284.
- [70] Chavez, S.^U, S. Zufan^U, Sun H. Kim^G, and **K. Shimada**. 2012. Tooth sizes as a proxy for estimating body lengths in porbeagle Shark, *Lamna nasus*. *Journal of Fossil Research*, 45:1–5.
- [69] Castillo-Géniz, J. L., A. I. Torres-Ocampo, **K. Shimada**, C. K. Rigsby, and A. C. Nicholas. 2012. Juvenile megamouth shark, *Megachasma pelagios*, from off the Pacific coast of Mexico, and its significance to chondrichthyan biodiversity in Mexico. *Ciencias Marinas*, 38(2):467–474.
- [68] Nagrodski, M.^U, **K. Shimada**, and B. A. Schumacher. 2012. Fossil marine vertebrates from the Upper Cretaceous Hartland Shale in southeastern Colorado. *Cretaceous Research*, 37:76–88.

2011

- [67] **Shimada, K.**, and J. I. Kirkland. 2011. A mysterious king-sized Mesozoic lungfish from North America. *Transactions of the Kansas Academy of Science*, 144:135–141.
- [66] Cook, T. D.^G, M. Newbrey, A. Murray, M. V. A. Wilson, **K. Shimada**, G. Takeuchi, and J. D. Stewart. 2011. A partial skeleton of the Late Cretaceous lamniform shark, *Archaeolamna kopingensis*, from the Pierre Shale of western Kansas. *Journal of Vertebrate Paleontology*, 31:8–21.

2010

- [65] **Shimada, K.**, and M. Nagrodski^U. 2010. Occurrence of the fossil lamniform shark, *Cretoxyrhina mantelli*, from the Upper Cretaceous Hartland Shale, central Kansas. Transactions of Kansas Academy of Science, 113:235–236.
- [64] Cumbaa, S. L., **K. Shimada**, and T. D. Cook^G. 2010. Mid-Cretaceous vertebrate faunas of the Western Interior Seaway of North America and their evolutionary, paleobiogeographical, and paleoecological implications. Palaeogeography, Palaeoclimatology, Palaeoecology, 195:199–214.
- [63] **Shimada, K.**, T. Tsuihiji, T. Sato, and Y. Hasegawa. 2010. A remarkable case of a shark-bitten elasmosaurid plesiosaur. Journal of Vertebrate Paleontology, 30:592–597.
- [62] **Shimada, K.**, T. E. Williamson, and P. L. Sealey. 2010. A new gigantic pycnodont fish from the Juana Lopez Member of the Upper Cretaceous Mancos Shale of New Mexico, U.S.A. Journal of Vertebrate Paleontology, 30:598–603.
- [61] Friedman, M., **K. Shimada**, L. D. Martin, M. J. Everhart, J. Liston, A. Maltese, and M. Triebold. 2010. 100-million-year dynasty of giant planktivorous bony fishes in the Mesozoic seas. Science, 327:990–993.
- [60] **Shimada, K.**, M. J. Everhart, R. Decker, and P. D. Decker. 2010. A new skeletal remain of the durophagous shark, *Ptychodus mortoni*, from the Upper Cretaceous of North America: an indication of gigantic body size. Cretaceous Research, 31:249–254.

2009

- [59] **Shimada, K.** 2009. The first associated teeth of the Late Cretaceous anacoracid shark, *Pseudocorax laevis* (Lerliche), from the Mooreville Chalk of Alabama. Transactions of Kansas Academy of Science, 112(3/4):164–168.
- [58] Fielitz, C., and **K. Shimada**. 2009. A new species of *Apateodus* (Teleostei: Aulopiformes) from the Upper Cretaceous Niobrara Chalk of western Kansas, U.S.A. Journal of Vertebrate Paleontology, 29(3):650–658.
- [57] **Shimada, K.**, C. K. Rigsby, and S. H. Kim^G. 2009. Partial skull of Late Cretaceous durophagous shark, *Ptychodus occidentalis* (Elasmobranchii: Ptychodontidae), from Nebraska, U.S.A. Journal of Vertebrate Paleontology 29(2):336–349.
- [56] **Shimada, K.**, C. K. Rigsby, and S. H. Kim^G. 2009. Labial cartilages in the smalltooth sandtiger shark, *Odontaspis ferox* (Lamniformes: Odontaspidae) and their significance to the phylogeny of lamniform sharks. Anatomical Record, 292:813–817.
- [55] **Shimada, K.**, and M. J. Everhart. 2009. The first record of *Anomoeodus* (Osteichthyes: Pycnodontiformes) from the Upper Cretaceous Niobrara Chalk of western Kansas. Transactions of Kansas Academy of Science, 112(1/2):98–102.

2008

- [54] **Shimada, K.** 2008. New anacoracid shark from Upper Cretaceous Niobrara Chalk of western Kansas, U.S.A. Journal of Vertebrate Paleontology, 28(4):1189–1194.

- [53] Polcyn, M. J., G. L. Bell, Jr., **K. Shimada**, and M. J. Everhart. 2008. The oldest North American mosasaurs (Reptilia: Squamata) from the Turonian (Upper Cretaceous) of Kansas and Texas with comments on the radiations of major mosasaur clades. In: M. J. Everhart (ed.), *Proceedings of the Second Mosasaur Meeting, Fort Hays Studies, Fort Hays State University, Hays, Kansas*, pp. 137–155.
- [52] **Shimada, K.**, and D. J. Martin. 2008. Fossil fishes from the basal Greenhorn Limestone (Upper Cretaceous: Late Cenomanian) in Russell County, Kansas. In: G. H. Farley and J. R. Choate (eds.), *Unlocking the Unknown: Papers Honoring Dr. Richard J. Zakrzewski. Fort Hays Studies (Special Issue Number 2), Fort Hays State University, Hays, Kansas*, pp. 89–103.
- [51] Martin, D. J., and **K. Shimada**. 2008. Lithostratigraphy and depositional environment of the Lincoln Limestone Member of the Greenhorn Limestone (Upper Cretaceous) in Russell County, Kansas, with special reference to the basal beds. *Transactions of Kansas Academy of Science*, 111(1/2):79–92.
- [50] **Shimada, K.** 2008. Ontogenetic parameters and life history strategies of the Late Cretaceous lamniform shark, *Cretoxyrhina mantelli*, based on vertebral growth increments. *Journal of Vertebrate Paleontology*, 28(1):21–33.

2007

- [49] **Shimada, K.**, M. J. Everhart, and K. Ewell. 2007. A unique reptilian (gigantic dolichosaurid lizard?) tooth from the Upper Cretaceous Niobrara Chalk of western Kansas. *Transactions of Kansas Academy of Science*, 110(3/4):213–219.
- [48] **Shimada, K.**, and T. K. Ystesund^U. 2007. A dolichosaurid lizard, *Coniasaurus* cf. *C. crassidens*, from the Upper Cretaceous Carlile Shale in Russell County, Kansas. *Transactions of Kansas Academy of Science*, 110(3/4):236–242.
- [47] **Shimada, K.**, and D. D. Brereton^U. 2007. The Late Cretaceous lamniform shark, *Serratolamna serrata* (Agassiz), from the Mooreville Chalk of Alabama. *Paludicola*, 6(3):105–110.
- [46] **Shimada, K.** 2007. Skeletal and dental anatomy of lamniform shark, *Cretalamna appendiculata* from Upper Cretaceous Niobrara Chalk of Kansas. *Journal of Vertebrate Paleontology*, 27(3):584–602.
- [45] **Shimada, K.** 2007. Mesozoic origin for megamouth shark (Lamniformes: Megachasmidae). *Journal of Vertebrate Paleontology*, 27(2):512–516.
- [44] Hamm, S. A.^G, and **K. Shimada**. 2007. The Late Cretaceous lamniform shark, *Pseudocorax laevis*, from the Niobrara Chalk in western Kansas. *Transactions of Kansas Academy of Science*, 110(1/2):44–52.
- [43] **Shimada, K.**, and D. C. Parris. 2007. A long-snouted Late Cretaceous crocodyliform, *Terminonaris* cf. *T. browni*, from the Carlile Shale (Turonian) of Kansas. *Transactions of Kansas Academy of Science*, 110(1/2):107–115.

2006

- [42] **Shimada, K.** 2006. The relationship between the tooth size and total body length in the common thresher shark, *Alopias vulpinus* (Lamniformes: Alopiidae). *Journal of Fossil Research*, 39(1):7–11.

- [41] **Shimada, K.** 2006. Marine vertebrates from the Blue Hill Shale Member of the Carlile Shale (Upper Cretaceous: Middle Turonian) in Kansas. *Bulletin of the New Mexico Museum of Natural History and Science*, 35:165–175.
- [40] **Shimada, K.**, and D. J. Cicimurri. 2006. The oldest record of the Late Cretaceous anacoracid shark, *Squalicorax pristodontus* (Agassiz) from the Western Interior, with comments on *Squalicorax* phylogeny. *Bulletin of the New Mexico Museum of Natural History and Science*, 35:177–184.
- [39] **Shimada, K.**, S. L. Cumbaa, and D. Van Rooyen^U. 2006. Caudal fin skeleton of the Late Cretaceous shark, *Cretoxyrhina mantelli* (Lamniformes: Cretoxyrhinidae) from the Niobrara Chalk of Kansas. *Bulletin of the New Mexico Museum of Natural History and Science*, 35:185–192.
- [38] **Shimada, K.**, and C. Fielitz. 2006. Annotated checklist of fossil fishes from the Smoky Hill Chalk of the Niobrara Chalk (Upper Cretaceous) in Kansas. *Bulletin of the New Mexico Museum of Natural History and Science*, 35:193–213.
- [37] **Shimada, K.**, and M. V. Fernandes^U. 2006. *Ichthyornis* sp. (Aves: Ichthyornithiformes) from the lower Turonian (Upper Cretaceous) of western Kansas. *Transactions of Kansas Academy of Science*, 109(1/2):21–26.
- [36] **Shimada, K.**, and G. L. Bell, Jr. 2006. *Coniasaurus* Owen, 1850 (Reptilia: Squamata), from the Upper Cretaceous Niobrara Chalk of western Kansas. *Journal of Paleontology*, 80:589–593.
- [35] **Shimada, K.**, B. A. Schumacher, J. A. Parkin^U, and J. M. Palermo^U. 2006. Fossil marine vertebrates from the lowermost Greenhorn Limestone (Upper Cretaceous: Middle Cenomanian) in southeastern Colorado. *Journal of Paleontology Memoir* 63, 45 p.
- [34] **Shimada, K.** 2006 (date of imprint 2005). Types of tooth sets in the fossil record of sharks, and comments on reconstructing dentitions of extinct sharks. *Journal of Fossil Research*, 38(2):141–145.

2005

- [33] Liggett, G. A., **K. Shimada**, C. S. Bennett, and B. A. Schumacher. 2005. Cenomanian (Late Cretaceous) reptiles from northwestern, Russell County, Kansas. *Paleobios*, 25(2):9–17.
- [32] **Shimada, K.**, and D. J. Cicimurri. 2005. Skeletal anatomy of the Late Cretaceous shark, *Squalicorax* (Neoselachii: Anacoracidae). *Palaeontologische Zeitschrift*, 79(2):241–261.
- [31] **Shimada, K.** 2005. Phylogeny of lamniform sharks (Chondrichthyes: Elasmobranchii) and the contribution of dental characters to lamniform systematics. *Paleontological Research*, 9(1):55–72.
- [30] **Shimada, K.**, and J. F. Seigel. 2005. The relationship between the tooth size and total body length in the goblin shark, *Mitsukurina owstoni* (Lamniformes: Mitsukurinidae). *Journal of Fossil Research*, 38(1):49–56.
- [29] Blanco-Piñón, A., **K. Shimada**, and G. González-Barba. 2005. Lamnoid vertebrae from the Agua Nueva Formation (Upper Cretaceous: Lower–Middle Turonian), NE Mexico. *Revista Mexicana de Ciencias Geológicas*, 22(1):19–23.
- [28] **Shimada, K.** 2005 (date of imprint 2004). The relationship between the tooth size and total body length in the sandtiger shark, *Carcharias taurus* (Lamniformes: Odontaspidae). *Journal of Fossil Research*, 37(2):76–81.

2004

- [27] **Shimada, K.**, and G. E. Hooks, III. 2004. Shark-bitten protostegid turtles from the Upper Cretaceous Mooreville Formation of Alabama. *Journal of Paleontology*, 78(1):205–210.
- [26] **Shimada, K.**, K. Ewell, and M. J. Everhart. 2004. The first record of the lamniform shark genus, *Johnlongia*, from the Niobrara Chalk (Upper Cretaceous), western Kansas. *Transactions of Kansas Academy of Science*, 107(3/4):131–135.
- [25] **Shimada, K.**, and M. J. Everhart. 2004. Shark-bitten *Xiphactinus audax* (Teleostei: Ichthyodectiformes) from the Niobrara Chalk (Upper Cretaceous) of Kansas. *The Mosasaur*, 7:35–39.
- [24] Hamm, S. A.^G, and **K. Shimada**. 2004. A Late Cretaceous shark, *Ptychodus martini*, from Texas. *Texas Journal of Science*, 56(3):215–222.

2003

- [23] **Shimada, K.**, and M. J. Everhart. 2003. *Ptychodus mammillaris* (Elasmobranchii) and *Enchodus* cf. *E. shumardi* (Teleostei) from the Fort Hays Limestone Member of the Niobrara Chalk (Upper Cretaceous) in Ellis County, Kansas. *Transactions of Kansas Academy of Science*, 106(3/4):171–176.
- [22] **Shimada, K.** 2003 (date of imprint 2002). The relationship between the tooth size and total body length in the white shark, *Carcharodon carcharias* (Lamniformes: Lamnidae). *Journal of Fossil Research*, 35(2):28–33.
- [21] **Shimada, K.**, and B. A. Schumacher. 2003. The oldest record of the Late Cretaceous fish genus *Thryptodus* (Teleostei: Tselfatiiformes) from central Kansas. *Transactions of Kansas Academy of Science*. *Transactions of Kansas Academy of Science*, 106(1/2):54–58.

2002

- [20] **Shimada, K.** 2002. Dental homologies in lamniform sharks (Chondrichthyes: Elasmobranchii). *Journal of Morphology*, 251:38–72.
- [19] **Shimada, K.** 2002. Teeth of embryos in lamniform sharks (Chondrichthyes: Elasmobranchii). *Environmental Biology of Fishes*, 63:309–319.
- [18] Hamm, S. A.^U, and **K. Shimada**. 2002. Associated tooth set of the Late Cretaceous lamniform shark, *Scapanorhynchus raphiodon* (Mitsukurinidae) from the Niobrara Chalk of western Kansas. *Transactions of Kansas Academy of Science*, 105(1/2):18–26.
- [17] **Shimada, K.** 2002. Dentition of the modern basking shark, *Cetorhinus maximus* (Lamniformes: Cetorhinidae), and its paleontological and evolutionary implications. *Journal of Fossil Research*, 35(1):1–5.
- [16] **Shimada, K.** 2002. The relationship between the tooth size and total body length in the shortfin mako, *Isurus oxyrinchus* (Lamniformes: Lamnidae). *Journal of Fossil Research*, 35:6–9.

2001

- [15] **Shimada, K.** 2001. Notes on the dentition of the bigeye sandtiger shark, *Odontaspis noronhai* (Lamniformes: Odontaspidae). *Journal of Fossil Research*, 34(1):15–17.
- [14] **Shimada, K.** 2001. On the concept of heterodonty. *Journal of Fossil Research*, 34(2):52–54.
- [13] **Shimada, K.**, and G. Hubbell. 2001. Identity of small symmetrical teeth of the Late Cretaceous lamniform shark, *Cretoxyrhina mantelli*, from western Kansas, U.S.A. *Journal of Fossil Research*, 34(2):55–57.

1999

- [12] Fielitz, C., and **K. Shimada.** 1999. A new species of *Bananogmius* (Teleostei: Tselfatiformes) from the Upper Cretaceous Carlile Shale of western Kansas. *Journal of Paleontology*, 73(3):504–511.

1997

- [11] **Shimada, K.** 1997. Periodic marker bands in vertebral centra of the Late Cretaceous lamniform shark, *Cretoxyrhina mantelli*. *Copeia*, 1997(1):233–235.
- [10] **Shimada, K.** 1997. Gigantic lamnoid shark vertebra from the Lower Cretaceous Kiowa Shale of Kansas. *Journal of Paleontology*, 71(3):522–524.
- [9] **Shimada, K.** 1997. Dentition of the Late Cretaceous lamniform shark, *Cretoxyrhina mantelli*, from the Niobrara Chalk of Kansas. *Journal of Vertebrate Paleontology*, 17(2):269–279.
- [8] **Shimada, K.** 1997. Paleoecological relationships of the Late Cretaceous lamniform shark, *Cretoxyrhina mantelli* (Agassiz). *Journal of Paleontology*, 71(5):926–933.
- [7] **Shimada, K.** 1997. Shark-tooth-bearing coprolite from the Carlile Shale (Upper Cretaceous), Ellis County, Kansas. *Transactions of Kansas Academy of Science*, 100(3/4):133–138.
- [6] **Shimada, K.** 1997. Stratigraphic record of the Late Cretaceous lamniform shark, *Cretoxyrhina mantelli* (Agassiz), in Kansas. *Transactions of Kansas Academy of Science*, 100(3/4):139–149.
- [5] **Shimada, K.** 1997. Skeletal anatomy of the Late Cretaceous lamniform shark, *Cretoxyrhina mantelli*, from the Niobrara Chalk in Kansas. *Journal of Vertebrate Paleontology*, 17(4):642–652.

1996

- [4] **Shimada, K.** 1996. Selachians from the Fort Hays Limestone Member of the Niobrara Chalk (Upper Cretaceous), Ellis County, Kansas. *Transactions of Kansas Academy of Science*, 99(1/2):1–15.
- [3] **Shimada, K.** 1996. Ichthyosaur (Reptilia: Ichthyosauria) vertebra from the Kiowa Shale (Lower Cretaceous: Upper Albian), Clark County, Kansas. *Transactions of Kansas Academy of Science*, 99(1/2):39–44.

1994

- [2] **Shimada, K.**, and N. Inuzuka. 1994. Desmostylian tooth remains from the Miocene Tokigawa Group at Kuzubukuro, Saitama, Japan. Transactions and Proceedings of Palaeontological Society of Japan, N.S., 175:553–577.

1988

- [1] Sakamoto, O., M. Machida, T. Homma, T. Inoyama, S. Honna, and **K. Shimada**. 1988. Occurrence of the skeleton of *Stegodon aurorae* Matsumoto from Sasai, Sayama City, Central Japan. Bulletin of Saitama Museum of Natural History 6:33–44. [in Japanese with English abstract]