

ceramys: Publications

Year	Title	Publication type	Medium	Authors	Link
2016	Wear of composite ceramics in mixed-material combinations in total hip replacement under adverse edge loading conditions	Publication	J Biomed Mater Res B Appl Biomater. 2016 Apr 8. doi: 10.1002/jbm.b.33671.	Al-Hajjar M, Carbone S, Jennings LM, Begand S, Oberbach T, Delfosse D, Fisher J.	Link
2014	Total arthroplasty of the hip by fritted alumina prosthesis. Experimental study and 1st clinical applications	Publication	Orthop Traumatol Surg Res. 2014 Feb;100(1):15-21. doi: 10.1016/j.otsr.2013.12.004. Epub 2014 Jan 20.	Boutin P	Link
2014	Two-year follow-up of revision total hip arthroplasty using a ceramic revision head with a retained well-fixed femoral component: a case series	Publication	Journal of Medical Case Reports 2014, 8:434	Ganzer D, Forke L, Irlenbusch U	Link
2014	Edge loading does not increase wear rates of ceramic-on-ceramic and metal-on-polyethylene articulations	Publication	J Biomed Mater Res B Appl Biomater. 2014 Mar 21. doi: 10.1002/jbm.b.33147	Halma J, Señaris J, Delfosse D, Lerb R, Oberbach T, van Gaalen SM, de Gast A	Link
2014	Poor outcome of a spherical pressfit cup with a modern ceramic liner: a prospective cohort study of 181 cups	Publication	Hip International, 2014, 24(4): 333 - 339): 000 - 000 DOI:10.5301/hipint.5000130	Ilchmann T, Zwicky L, Gersbach S, Clauss M	Link
2013	Wear of novel ceramic-on-ceramic bearings under adverse and clinically relevant hip simulator conditions	Publication	Journal of Biomedical Materials Research B, Applied Biomaterials, Month 2013 vol 00B, Issue 00	Al-Hajjar M, Jennings L, Begand S, Oberbach T, Delfosse D, Fisher J	Link
2010	Preliminary results of a new nanocrystalline dispersion ceramic "ceramys"	White Paper	White Paper	Ilchmann T, Jovanovic M, Ranke T, Russlies M, van den Daelen L, Stöckl B	Contact
2008	Inspection of microstructure and phase composition of a dispersion ceramic after hydrothermal treatment	Publication	ICC. 29.06.-04.07.2008, Verona, Italy.	Begand S, Oberbach T, Herrmann M, Sempf K	

2008	Degradation of alumina toughened Zirconia (ATZ) in water and water vapour	Publication	ICC. 29.06.-04.07.2008, Verona, Italy.	Schneider J, Kaps C, Begand S, Oberabch T, Kriegel R	
2008	Current state and future trends in bioceramics for orthopaedic	Publication	ICC. 29.06.-04.07.2008, Verona, Italy.	Oberbach T	
2007	Corrosion behaviour of ATZ and ZTA ceramic	Publication	Key Engineering Materials. 2007; Vol 330-332: 1227-1230.	Begand S, Oberbach T, Glien W	Link
2007	In vitro wear of different ceramic couplings	Publication	Key Engineering Materials. 2007; Vol 330-332: 1231-1243.	Oberbach T, Begand S, Glien W	Link
2007	Luxation test of different ceramic on ceramic couplings	Publication	Key Engineering Materials. 2007; Vol 330-332: 1235-1238.	Oberbach T, Begand S, Glien W, Kaddick C	Link
2006	Mechanical properties of hip joint heads made of the dispersion ceramic - Alumina toughened zirconia	Publication	Key Engineering Materials. 2006; Vol 309-311: 1257-1260.	Begand S, Oberbach T, Glien W	Link
2006	Tribological behaviour of an alumina toughened zirconia ceramic for an application in joint prostheses	Publication	Key Engineering Materials. 2006; Vol 309-311: 1261-1264.	Begand S, Oberbach T, Glien W	Link
2006	Investigations of an alumina ceramic with zirconia gradient for the application as load bearing implant for joint prostheses	Publication	Key Engineering Materials. Vol 309-311: 1247-1250.	Oberbach T, Ortmann C, Begand S, Glien W	Link
2005	Investigations of the mechanical properties of an alumina toughened zirconia ceramic for an application in joint prostheses	Publication	Key Engineering Materials. 2005; Vol 284-286: 1019-1022.	Begand S, Oberbach T, Glien W	Link
2005	Development of an alumina ceramic with a gradient of microstructure for the application of load bearing implants	Publication	Key Engineering Materials. 2005; Vol 284-286: 1027-1030.	Oberbach T, Christoph M, Glien W	Link
2005	ATZ - A new material with a high potential in joint replacement	Publication	Key Engineering Materials. 2005; Vol 284-286: 983-986.	Begand S, Oberbach T, Glien W	Link
2005	ATZ - Ein neues keramisches Material mit einem hohen Potenzial in der Gelenkendoprothetik	Publication	MP Materials Testing. 2005; 4: 207-209.	Begand S, Oberbach T, Glien W	Link
1993	Hip joint loading during walking and running, measured in two patients	Publication	J Biomech. 1993; 26 (8): 969-990	Bergmann G, Graichen F, Rohlmann A	Link
1983	Tibiaplateauprothesen aus Aluminiumoxid – Indikation und Ergebnisse	Publication	Hermisdorfer Technische Mitteilungen 23, 62, pp 1974-1975, 1983	Lang H	

ceramys: Congress Presentations, Congress Posters and other References

Year	Title	Publication type	Medium	Authors	Link
2015	Hüft-TEP: Einfluß von Kopfgrößen auf ROM und Impingement	Congress Presentation	DKOU, 20.-23.10.2015, Berlin, Germany	Kutzner K, Rehbein P, Pfeil D, Pfeil J	
2011	Klinische Erfahrungen mit ceramys-Keramik in der Hüftendoprothetik / Zwei-Jahres-Ergebnisse Total hip arthroplasty using ceramys ceramic: two years results	Congress poster	NOUV. 16.-18.06.2011, Hamburg, Germany	Canzler M, Ranke TP	
2009	First experiences and clinical results with a new nanocrystalline dispersion ceramic in vivo	Congress e-poster	Efort. 03.-06.06.2009, Vienna, Austria	Brandenberger D, Jovanovic M, Ranke TP, Ilchmann T	
2008	ATZ kinetic of phase transformation and it's influence on wear behaviour with ring-on-disc-method	Congress poster	WBC. 28.05.-01.06.2008, Amsterdam, Netherlands.	Begand S, Schneider J, Oberbach T	
2008	Degradation of alumina toughened Zirconia (ATZ) in water and water vapour	Congress poster	ICC. 29.06.-04.07.2008, Verona, Italy.	Schneider J, Kaps C, Begand S, Oberbach T, Kriegel R	
2007	Corrosion behaviour of ATZ and ZTA ceramic	Data on file	Poster to publication: Key Engineering Materials. 2007; Vol 330-332: 1227-1230.	Begand S, Oberbach T, Glien W	
2006	Verschleissverhalten von Implantaten aus ATZ und ZTA vs. Al ₂ O ₃	Congress Presentation	Symposium Hochleistungskeramik. 05.-06.04.2006, Stuttgart, Germany.	Oberbach T, Begand S, Glien W	
2006	Untersuchungen zur Dauerfestigkeit von Implantaten aus ATZ und ZTA vs. Al ₂ O ₃	Congress Presentation	Symposium Hochleistungskeramik. 05.-06.04.2006, Stuttgart, Germany.	Begand S, Oberbach T, Glien W	
2006	Keramik-Keramik Paarungen im Luxationstest	Congress Presentation	DGOOC. 02.-06.10.2006, Berlin, Germany.	Glien W, Oberbach T, Begand S	
2004	ATZ investigation of the mechanical properties for an application in joint prostheses	Poster	Poster to publication: Key Engineering Materials, Vol 284-286: 1019-1022.	Begand S, Oberbach T, Glien W	
2004	ATZ - A new material with a high potential in joint replacement	Poster	7th World Biomaterial Congress. 17.-21.05.2004, Sydney, Australia.	Begand S, Oberbach T, Glien W	