

**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.	<a href="#">Link</a>
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	<a href="#">Link</a>
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	<a href="#">Link</a>
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	<a href="#">Link</a>
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	<a href="#">Link</a>
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	<a href="#">Link</a>
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	<a href="#">Contact</a>
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	<a href="#">Link</a>
2007	In vitro wear of different ceramic couplings	Publication	Key Engineering Materials. 2007; Vol 330-332: 1231-1243.	Oberbach T, Begand S, Glien W	<a href="#">Link</a>
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	<a href="#">Link</a>
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	<a href="#">Link</a>
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	<a href="#">Link</a>
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, Ortman C, Begand S, Glien W	<a href="#">Link</a>
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	<a href="#">Link</a>
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	<a href="#">Link</a>
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	<a href="#">Link</a>
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	<a href="#">Link</a>
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	<a href="#">Link</a>
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 <sub>2</sub> O <sub>3</sub>	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 <sub>2</sub> O <sub>3</sub>	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	