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Invited Talks

71	Artur Braun, On the metafunction of protons in ceramic electrolytes", 18 April 2016, Villigen PSI https://www.psi.ch/materials/seminars
70	Artur Braun, Materials Science on electrochemistry with X-rays, neutrons and electrons - and some light. MRS Chapter at University of Cologne the 6th April 2016
69	Artur Braun, Tuning the Light Absorption of Photoelectrodes at the Mesoscale with a Bio-Mimetic Moth Eye Structure, Symposium NT6: Colloidal Nanoparticles—From Synthesis to Applications, MRS Spring Meeting 2016, 1-4 April 2016, Phoenix AZ
68	18 th Topical ISE Meeting, Gwangju, Korea, 8-11 March 2016
67	Artur Braun, Correlation of conductivity & electronic structure in metal oxide electrodes and electrolytes: valence band and ligand spectroscopy with x-ray absorption and photoemission, THz to Soft X-ray" HZB foresight workshop, 7.12.2015, Berlin. https://www.helmholtz-berlin.de/media/media/nutzerdienst/events/workshops/THz_to_Soft_X-ray/booklet_thz_workshop.pdf
66	Artur Braun, Panel speaker on Climate Change at Transformational Change Forum 2015, 1 st Dec. 2015, Washington D.C. https://foreignpolicy.smugmug.com/Transformational-Trends-Global/i-V6tcX9b/A
65	Artur Braun, 228 th ECS Meeting Phoenix AZ, Changes in Photoanodes during Solar Water Oxidation, the Wet Part of Artificial Photosynthesis, 13 October 2015 http://ma.ecsdl.org/content/MA2015-02/43/1694.abstract
64	Artur Braun, Some Applications of X-ray Scattering and Spectroscopy to Electrode and Electrode Studies in Electrochemical Energy Storage and Conversion, 10. September 2015: NSSRC Workshop, Hsinchu, Taiwan. http://portal.nsrc.org.tw/uao/Usermeeting/2015/speaker/II5.pdf
63	Artur Braun, "... there's a tiny little engine..." SKC-CEN Belgian Nuclear Research Center, Mol, 19. June 2015.
62	Artur Braun, "... there's a tiny little engine..." Plenary Talk at the Dutch National Consortium on Photosynthesis and Artificial Photosynthesis "BioSolar Cells" at its Annual Meeting in Ede in the Netherlands, 17.-18. June 2015.
61	Artur Braun, "... there's a tiny little engine..." Naturwissenschaftliche Gesellschaft Sankt Gallen, 13. Mai 2015 http://www.wilerzeitung.ch/ostschweiz/stgallen/werdenberg/wo-lo/Solarer-Wasserstoff-zum-Fahren-und-Heizen:art395293,4221874
60	<i>Changes in photoanodes during solar water oxidation, the wet part of artificial photosynthesis;</i> Advanced Light Source Seminar, Berkeley, 17 April 2015 http://today.lbl.gov/berkeley-lab-events-calendar/
59	Everything around Iron Oxide - An Old Water Splitting Friend, 7 April 2015, invited MRS Spring Meeting 2015, San Francisco.
58	13 March 2015: Empa's Artur Braun delivers talk on solar water splitting at C-MET Thrissur, Center for Materials for Electronic Technology, Athani P.O., SH 22, Kerala 680581, India

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57	13 March 2015: Talk on proton conductors at St. Teresa's College, Ernakulam, Kerala, India
56	12 March 2015: Empa's Artur Braun holds Keynote Lecture at International Conference on Photonics and Solar Water Splitting, St. Teresa's College, Ernakulam, Kerala, India http://www.newindianexpress.com/cities/kochi/Meet-on-Photonics-and-Solar-Water-Splitting-Held/2015/03/16/article2715042.ece
55	(p,T) parameterization of the proton-phonon coupling in ceramic proton conducting electrolytes, Invited Lecture in the 1st International Conference on "Alumina and Other Functional Ceramics (AOFC- 2015)". Kolkatta, 11-13 March 2015
54	Tender X-ray Workshop on 1/2. Dezember 2014, BESSY Berlin; about in situ x-ray spectroscopy on electrochemical systems
53	3 rd Ertl Symposium on Surface Analysis and Dynamics, 9-12 November 2014, Berlin
52	Chemistry Department, Ewha University, Seoul, Korea, 24 September 2014
51	International Workshop on Nanotechnology, Renewable Energy & Sustainability (NRES) Sep 19, 2014, Xi'an, China by Xi'an Jiao Tong University.
50	Solid State Protonic Conductors -17 ; Sept.14~19, 2014 - Korea Institute of Science and Technology (KIST), Seoul, Korea
49	Chemical speciation and molecular structure analyses of carbonaceous particulate matter with C1s NEXAFS spectroscopy, Conference on Aerosol Technology 2014, 16 - 18 June 2014, Karlsruhe, Germany
48	A Braun, 562nd Wilhelm and Else Heraeus-Seminar "From Sunlight to Fuels" From Sunlight to Fuels – Novel Materials and Processes for Photovoltaic and (Photo) Catalytic Applications, 11.05. - 16.05.2014, Bad Honnef, Germany
47	A Braun, 1 May 2014, Solar water splitting: everything around iron oxide, Los Alamos National Laboratory
46	A Braun, "Materials for solar fuel production"; South African Swiss Nano Workshop, Cape Town, South Africa, 14-15 April 2014
45	A Braun, Direct observation of the photo-electrochemical water splitting process with in-situ synchrotron valence band spectroscopy, Walter Schottky Seminar, TU München, 10 Dec 2013. http://www.wsi.tum.de/Portals/0/Media%5CSEminars%5Ca2e54439-03ed-4a9e-a2a4-f65579354867%5CNIM_Braun_10_12_13.pdf
44	A Braun, EVIDENCE FOR A PROTON-POLARON IN CERAMIC PROTON CONDUCTORS, Gwangju Institute of Technology, 25 September 2013 https://phys.gist.ac.kr/en/schedules/view/254
43	A Braun, Iron oxide: towards a low-cost and functional photo-electrode for solar water splitting, Sungkyunkwan University, Suwon, Korea, 16 September 2013
42	A Braun; GSFMT Summer School 26-27 July 2013, Pühajärve, Estonia
41	A Braun, Nanostructured Iron Oxide: The Inorganic Backbone for Artificial Photosynthesis, ACIN 2013, Namur, Belgium, 15-19 July 2013
40	Artur Braun "Iron oxide: towards a low-cost and functional photo-electrode for solar water splitting", Universität Zürich, 28 Feb 2013, Physical Chemistry Seminar
39	Braun A.; Solar Energy Research in Switzerland, CLEAN AND GREEN TECHNOLOGY WORKSHOP; SWISS SOUTH AFRICA JOINT RESEARCH PROGRAMME DATE: 11-12 FEBRUARY 2013, Pretoria, South Africa
38	Braun A.; "Nanostructured Iron Oxide: The Inorganic Backbone for Artificial Photosynthesis"; at EVOLUTION AND REVOLUTION ; International Conference on Advanced Complex Inorganic

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	Nanomaterials; 15th-19th July 2013, Namur, Belgium
37	Braun A., Solar hydrogen generation by water splitting in photoelectrochemical cells, Universität Konstanz, Physikalisches Kolloquium, 29. Jan. 2013.
36	Braun A.; "An overview of ex-situ and in-situ neutron and synchrotron experiments on electrochemical energy storage and conversion materials, components and systems", presented at Energy storage systems (Energy materials)- New opportunities for metrology: Material - science meets electrochemistry , December 11, 2012, Berlin
35	Braun A.; <i>Spectroscopic studies on hematite - the prospective inorganic backbone for solar water splitting and artificial photosynthesis</i> ; BESSY CRG Review Meeting, Berlin, Nov. 2012
35	Braun A., July 24-27, 2012 "Recent Advances in Electrochemical Energy Materials and Devices", India Institute of Science, Bangalore http://sscu.iisc.ernet.in/ANINDACONF.html http://sscu.iisc.ernet.in/office-forms-15-09-09/Programme.pdf
34	Braun A.; 2nd Ertl Symposium on Surface and Interface Chemistry, 24-27 June 2012 in Stuttgart, Germany. "The role of defects in hematite for solar water splitting, and its experimental assessment with x-ray and photoelectron spectroscopy methods" http://env1.gist.ac.kr/ertl/new/ERTLCenter/page0702.html
33	Braun A., European X-ray Spectrometry Conference (EXRS 2012) 18-22 June 2012 in Vienna, http://www.ati.ac.at/EXRS2012/
32	Braun A. <i>Hematite: towards a cheap and functional photo-electrode for solar water splitting</i> , University of Warwick, Chemistry Department, 24 May 2012, Coventry/UK
31	Braun A., Some Applications of Synchrotron Spectroscopy to Energy Materials Research, 14 October 2011, Pohang Light Source http://phome.postech.ac.kr/user/boardList.action?command=list&page=12&boardId=48508&boardSeq=36044
30	Braun A., Fachtagung Prozessnahe Röntgenanalytik, 25 November 2011, Berlin http://www.iap-adlershof.de/prora/prora2011.pdf
	Braun A.; 12 October 2011; Some Applications of Synchrotron and Neutron Scattering and Spectroscopy to Energy Materials Research, Kyungbuk National University, Korea
29	Braun A., <i>X-rays and Neutrons - Small Probes for Big Problems</i> ; 13. International Conference-School ADV. MATERIALS AND TECHNOLOGIES August 27-31, 2011, Palanga, Lithuania
28	Braun A., <i>Application of x-ray and electron spectroscopy to energy materials</i> , CECAM Workshop on X-ray Spectroscopy : Recent Advances in Modeling and New Challenges, 14 July 2011, ETZ Zürich http://www.cecarn.org/workshop-1-537.html
27	Braun A., <i>X-rays and Neutrons - Small Probes for Big Problems</i> ; Tartu University Doctoral School, June 20-21, 2011, Tartu, Estonia
26	Braun A., <i>Structure and transport in fuel cell components</i> , 481. Heraeus Seminar on Energy Materials Research by Neutrons and Synchrotron Radiation, Bad Honnef, 9 May 2011 http://www.helmholtz-berlin.de/events/we-heraeus-seminar/index_de.html
25	Braun A., Advanced Photon source SAS Workshop, Argonne IL, USA 4 May 2011 (not given)
24	A. Braun, <i>Soot Effects on Climate</i> , Workshop about The Science of Climate Change in Hawai'i, 19 Jan 2011, Manoa, Hawaii http://iprc.soest.hawaii.edu/meetings/workshops/11_01_SOESTSymposium_final.pdf
23	A. Braun, Sandia National Laboratories Electrochemistry Seminar "Some Applications of Synchrotron and Neutron Scattering and Spectroscopy to Energy Materials Research", 2. Nov. 2010. Livermore California
22	A. Braun, PSI Elektrochemie Seminar "Some Applications of Synchrotron and Neutron

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	<i>Scattering and Spectroscopy to Energy Materials Research</i> ", 25. Oktober 2010.
21	A. Braun, Annual Meeting of the Swiss Society for Crystallography (http://www.sgk-sscr.ch/), 17 S2010, Geneve (invited by Prof. R. Cerny). " <i>Diagnostics of fuel cells with scattering probes</i> "
20	A. Braun, <i>Probing energy materials at the molecular scale with x-ray spectroscopy and neutron scattering</i> , 12-th International Conference School "Advanced Materials and Technologies" 27-31 August 2010 Palanga, Lithuania, invited by Sigitas Tamulevicius.
19	A. Braun, <i>Some Applications of Synchrotron and Neutron Scattering and Spectroscopy to Energy Materials Research</i> , NIMS, Conference Energy & Environment (invited by Shu Yamaguchi), Tsukuba, Japan, 12-16 July 2010.
18	A. Braun, <i>Some Applications of Synchrotron and Neutron Scattering and Spectroscopy to Energy Materials Research</i> , Helmholtz Zentrum Berlin (invited by Marcus Baer), 19. Aug. 2009.
17	A. Braun, <i>Iron perovskites and their electric transport and valence band properties: Conductivity and soft X-ray studies</i> , TU Darmstadt (invited by H. v. Seggern), 22. May 2009.
16	A. Braun, <i>Some Applications of Synchrotron and Neutron Scattering and Spectroscopy to Energy Materials Research</i> ; Imperial College, London/UK, 10. February 2009.
15	A. Braun, <i>Some applications of x-ray spectroscopy to energy materials and environmental sciences</i> , XAS08 at the Swiss Light Source, October 8, Session 3.
14	A. Braun, Program Chair Meeting MRS; <i>Photocatalysis (Materials) – Fundamentals and Applications for H2 Generation and Environmental Remediation</i> , San Francisco, 25 Mar 2008.
13	Artur Braun, <i>Characterization of carbonaceous airborne particulate matter with NEXAFS spectroscopy</i> , (invited by Frank Huggins), ACS Meeting March 2005 (Fossil Fuels).
12	Artur Braun, <i>Soot in the light of synchrotron radiation: Review of USAXS, WAXS, NEXAFS</i> , (invited by Randy Winans), ACS Meeting March 2005 (Fossil Fuels).
11	Artur Braun, <i>NEXAFS studies on diesel soot and extracts – radiation damages, challenges, and new opportunities</i> , Advanced Light Source User Meeting October 2004, Berkeley/CA (invited by the Scientific Committee as a Scientific Highlight).
10	Artur Braun (invited by S. White), <i>Electrochemical in-situ studies at neutron and synchrotron radiation sources</i> . NIST & UC Irvine, Gaithersburg MD, September 2003 http://ncnr.nist.gov/seminars/2003/index.html
9	Artur Braun (invited by L. Zhang). <i>A monolithic bipolar approach for ultracapacitor electrodes</i> . Maxwell Technologies Inc., San Diego CA, August 2003.
8	A. Braun (invited by C&MS). <i>Studies on the nanostructure of electrodes with small angle X-ray scattering- an application of synchrotron radiation</i> . Materials Science & Technology Division, Lawrence Livermore National Laboratory, September 28, 2001.
7	A. Braun (invited by G.P. Huffman). <i>Application of Synchrotron Radiation for Electrochemical Energy Storage and Conversion Devices - Small Angle X-ray Scattering (SAXS)</i> . Univ. of Kentucky, Consortium for Fossil Fuel Liquefaction Science, Lexington, Kentucky, Aug 23, 2001.
6	A. Braun (invited by Rex Hjelm). <i>Glassy Carbon Electrodes for Supercapacitors</i> Los Alamos National Laboratories (LANSCE), Los Alamos, June 15, 1999.
5	A. Braun (invited by Alan Hurd). <i>Glassy Carbon Electrodes for Supercapacitors</i> . Sandia National Laboratories + University of New Mexico, Albuquerque, June 14, 1999.
4	A. Braun (invited by Khalil Amine). <i>Glassy Carbon Electrodes for Supercapacitors</i> . Argonne National Laboratories (Chem. Technol. Div. + APS), Argonne, June 11, 1999.
3	A. Braun (invited by Peter Böni). <i>On the Influence of Epitaxial Strain on the Magnetic Anisotropy of Ultrathin Metal Films</i> . Laboratory for Neutron Scattering (LNS), ETH Zürich and

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	PSI, Villigen, May 3, 1999.
2	A. Braun (invited by the Materials Research Society). <i>A Study on Oxidized Glassy Carbon Sheets for Supercapacitor Electrodes</i> . Spring Meeting of the Materials Research Society (MRS), April 5-9, 1999, San Francisco, California. Session Co-chair
1	A. Braun (invited by R. Kötz). <i>Korrelation von Wachstum Struktur und Magnetismus ultradünner Nickelfilme auf einem Cu₃Au (001) Einkristall</i> . Paul Scherrer Institut, Bereich Allgemeine Energieforschung, Sektion Elektrochemie, Villigen, May 1996.

Other Oral Contributions

84	Artur Braun, "Chemistry and dynamics of the proton phonon coupling in proton conducting ceramic electrolytes" at COST CM1104 Meeting at University of Osnabrück 7th April 2016:
83	Artur Braun, The bio-electrochemical interface of semiconductor photoelectrodes functionalized with light harvesting proteins and cyanobacteria, COST TD1102 Conference, Rome, Italy, 8 October 2015
82	Artur Braun, EE6.6.03 Correlations between Electronic Structure and Charge Transport in Metal Oxide Electrodes Determined with Valence Band Spectroscopy and Electroanalytical Methods, MRS Spring Meeting 2016, Phoenix AZ, 30 March 2016
81	Artur Braun, MD2.4.07 Tailoring the Proton-Phonon Coupling in Ceramic Electrolytes by Strain Engineering, MRS Spring Meeting 2016, Phoenix AZ, 30 March 2016
80	Artur Braun, MD9.9.04 Controlling the Magnetic Anisotropy in Ultrathin Metal Films by Epitaxial Strain: Model and Experiment, MRS Spring Meeting 2016, Phoenix AZ, 1 st April 2016
79	Artur Braun, Light-Harvesting Proteins and Biofilms on Iron Oxide Photoelectrodes, 228th ECS Meeting, Phoenix AZ, 13 October 2015
78	A. Braun, S. Seifert P.R. Jemian, J. Ilavsky, A.J. Allen, E.J. Cairns, ANOMALOUS SMALL ANGLE X-RAY SCATTERING OPERANDO ON A LITHIUM BATTERY AND CERAMIC FUEL CELL ASSEMBLIES, SAS 2015, Berlin, 12 September 2015
77	Artur Braun, Does there exist a proton polaron ? Swiss Physical Society Meeting, 3 September 2015, Vienna, Austria
76	Artur Braun, Photoelectrodes with bio-electronic interfaces, Swiss Physical Society Meeting, 2 September 2015, Vienna, Austria
75	Artur Braun, The resonant VB photoemission signatures of iron oxide and tungsten oxide photoelectrodes, Swiss Physical Society Meeting, 2 September 2015, Vienna, Austria
74	Artur Braun, Observation of oxygen vacancy filling under water vapor in ceramic proton conductors in-situ with ambient pressure XPS, MCE 2015, 29 July 2015, Univ. Giessen, Germany
73	Artur Braun, Tuning the light absorption of photoelectrodes at the mesoscale, ACIN 2015, Namur, 15 July 2015
72	Artur Braun, Photoelectrodes with bio-electronic interfaces for solar fuels, ACIN 2015, Namur, 14 July 2015
71	Synthesis and Analysis of Photoelectrodes with Bio-Electronic Interfaces, 9 April 2015, Symposium F. MRS Spring Meeting 2015
70	Artur Braun, Assessment of Proton-Phonon Coupling in Ceramic Electrolytes by (p,T)-Parameterization, MRS Spring 7 April 2015, Symposium YY. San Francisco
69	Artur Braun, Correlation of Transport Properties and Structure in Metal Oxide Electrodes and Electrolytes Investigated with X-Ray and Neutron Scattering and Spectroscopy, 7 April 2015, MRS

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	Spring Symp. G, San Francisco
68	Artur Braun, Solar water splitting: everything around iron oxide; Indian Institute of Science, Bangalore, India, 11 March 2015
67	Artur Braun, (p,T) parameterization of the proton-phonon coupling in proton conducting electrolytes, 4 March 2015 iThemba Labs, Somerset, South Africa
66	Artur Braun, Solar water splitting: everything around iron oxide, 4 March 2015 iThemba Labs, Somerset, South Africa
65	Artur Braun, Solar water splitting: everything around iron oxide, Monday 2 March 2015 CPUT Belville Campus, South Africa
64	A Braun, D.K. Bora, M. Döbeli, E.C. Constable, Hematite–NiO/ α -Ni(OH) ₂ heterostructure photoanode with high electrocatalytic current density and charge storage capacity, POSTER+Oral; PIXE 2015, Feb. 2015, Somerset, South Africa
63	A Braun, D. Flak, B.S. Mun, M. Döbeli, M. Rekas, Electronic structure and surface properties of nonstoichiometric iron oxide nanoparticles and its application in gas sensing, POSTER+Oral; PIXE 2015, Feb. 2015, Somerset, South Africa
62	Artur Braun, Origin and detection of hole states in DC biased photoelectrochemical water splitting with valence band x-ray and electron spectroscopy, 1 st Kolb-Gerischer Symposium, October 2014, Berlin
61	Artur Braun, (p,T) parameterization of the proton-phonon coupling in proton conducting electrolytes, Swiss Physical Society, Fribourg, 2014
60	A Braun, Bio-hybrid photoelectrode from iron oxide and algal protein, 29 July 2014, IPS20 Berlin
59	Operando observation of photo-induced electron holes during PEC water splitting, 31 July 2014, IPS20, Berlin
58	A Braun, (p,T) parameterization of the proton-phonon coupling in proton conducting electrolytes, 16 May 2014, QENS/WINS Conference, Autrans, France
57	A Braun, 30 April 2014, Arizona State University, Chemistry and Biochemistry Seminar http://solarfuel.clas.asu.edu/artur-braun-seminar-042914
56	A Braun, 21 April 2014, US DoE PEC working Group Meeting, Stanford University
55	A Braun, Solar water splitting: everything around iron oxide, 25 April 2014, JCAP Seminar, Berkeley
54	A Braun, Operando and In-Situ Studies on SOFC Anodes and Electrolytes with X-Ray and Neutron Scattering and Impedance Spectroscopy, 24 April 2014, MRS spring Meeting
53	A Braun, Influence of Strain on the Proton-Phonon Coupling: Monitoring the Crossover from Hydrates to Hydrides to Proton Conductors with In-Situ X-Ray and Neutron Scattering and Spectroscopy, 24 April 2014, MRS spring Meeting
52	A Braun, Investigation of the Bio-Electronic Interface of Light Antenna Proteins and Iron Oxide Photoelectrode Assemblies for Solar Water Splitting with Photoelectrochemical and X-Ray Spectroscopy, 22 April 2014, MRS Spring Meeting
51	A Braun, Observation of the photo-electrochemical water oxidation process with in-situ synchrotron valence band spectroscopy; University of Pretoria, Pretoria, South Africa, 14. March 2014
50	A Braun, Observation of the photo-electrochemical water oxidation process with in-situ synchrotron valence band spectroscopy; iThemba Labs, Somerset, South Africa, 11. March 2014
49	A Braun, Solar Water Splitting Activities at Empa: towards artificial photosynthesis (AP) with

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	photoelectrochemical cells (PEC), NTO Workshop Empa, 6. Feb. 2014
48	A Braun, Direct observation of the photo-electrochemical water splitting process with in-situ synchrotron valence band spectroscopy, Yonsei University Physics Department, Seoul, Korea, 17 September 2013
47	Braun A., <i>Phycocyanin-hematite hybrid electrode with light antenna functionality for solar hydrogen generation by photoelectrochemical water splitting</i> ; COST Action (TD1102) Photosynthetic proteins for technological applications: biosensors and biochips (PHOTOTECH), Antwerp, Belgium, 10 April 2013
46	Braun A., <i>Electrochemical In-situ and Operando Analyses of Batteries, Ceramic Fuel Cells, Gas Sensors and Photo-electrochemical Cells during Soft and Hard X-Ray Spectroscopy and Neutron Scattering under Various Thermodynamic Parameters</i> , MRS Spring Meeting 2 April 2013, San Francisco CA
45	Braun A., <i>Iron oxide: towards a low-cost and functional photo-electrode for solar water splitting</i> ; DoE PEC Working Group Meeting April 1, 2013, Stanford University, CA
44	Braun A., <i>Soot under X-rays: Characterization, Speciation, Perspectives</i> , Empa Colloquium Natural Resources and Pollutants/NAREP Seminar, Empa Dübendorf 4 March 2013
43	Braun A.; <i>Direct observation of the photo-electrochemical water splitting process with in-situ synchrotron valence band spectroscopy</i> , SAOG 2013, Universität Fribourg, 25. Jan 2013.
42	Artur Braun, MRS Spring Meeting 2012, San Francisco, <i>Metal Oxide-biomolecule Hybrid Nanoarchitecture as Biomimetic Light Harvesting Complex for Photoelectrochemical Solar Hydrogen Generation</i>
41	Artur Braun, MRS Spring Meeting 2012, San Francisco, <i>Conductivity and Electronic Structure in Iron and Tungsten Perovskites Films for Ceramic Fuel Cell and Solar Cell Electrodes</i>
40	Artur Braun, MRS Spring Meeting 2012, San Francisco, <i>Photoelectrochemical Synchrotron Studies on Metal Oxides for Solar Hydrogen Applications</i>
39	Artur Braun, MRS Spring Meeting 2012, San Francisco, <i>Ex-situ and In-situ Synchrotron, Neutron, Impedance and Raman Studies under High Hydrostatic Pressure and Water Vapor Pressure on the BZY and BCY Ceramic Proton Conductors for IT-SOFC Electrolytes.</i>
38	Artur Braun, Evolution of an Oxygen NEXAFS Transition in the Upper Hubbard Band in α -Fe ₂ O ₃ upon electrochemical oxidation, 5 th Gerischer Symposium, 23 June 2011, Berlin
37	Artur Braun et al., Multiscale and element specific microstructure characterization of SOFC assemblies with resonant ultra-small angle x-ray scattering, E-MRS 2011, Nizza
36	A. Braun, Diagnostics and analysis of electrochemical energy storage and conversion devices, components, and materials with synchrotron x-ray scattering and spectroscopy, E-MRS 2011, Nizza
35	A.Braun et al., Evolution of an oxygen NEXAFS transition in the upper Hubbard band in α -Fe ₂ O ₃ upon electrochemical oxidation, E-MRS 2011, Nizza
34	A. Braun et al., Correlation of Transport Properties and Valence Band Spectral Characteristics in Iron Perovskites as a Function of Temperature and Substitution Parameter: What We Can Learn From Bulk Sensitive Conductivity and Surface Sensitive X-ray Spectroscopy Studies, MRS Spring Meeting 2010, April 6, 2010
33	A. Braun et al., Application of Hard and Soft X-ray Spectroscopy and Scattering in Lithium Ion Battery Research, MRS Spring Meeting 2010, April 6, 2010
32	A. Braun et al., Assessment of Defects in Hematite, Iron Perovskites and Ti-oxynitride With Soft X-ray and Photoelectron Valence Band Spectroscopy, MRS Spring Meeting 2010, April 6, 2010

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31	A. Braun et al., Chemistry, Structure and Transport Processes in Solid Oxide Fuel Cell Components Investigated With X-ray and Neutron Methods. MRS Spring Meeting 2010, April 6, 2010
30	A. Braun et al. EUROMAT 2008 Nürnberg, September 2008, orals on: D13 - Materials Investigation with Beamlines
29	A. Braun et al., High Temperature Structure and Transport in La _{0.9} Sr _{0.1} FeO ₃ , Swiss Physical Society Meeting 2008 Geneva, POSTER
28	A. Braun, R. Solarska, <i>Solar Energy Conversion for Hydrogen Generation</i> , 2008 Gordon Conference on Photosynthesis, Mount Holyoke College in South Hadley MA, USA, POSTER
27	Artur Braun, Peter Holtappels, Thomas Graule, <i>Neutron and X-Ray Methods for Characterization of Solid Oxide Fuel Cell Materials, Cells, and Stacks</i> , Lucerne Fuel Cell forum 2008
26	Artur Braun, <i>Impact of ferrocene on the structure of diesel exhaust soot</i> , 2007 Europ. Aerosol Conf., Salzburg (oral).
25	Artur Braun, Alena Kubatova, Frank E. Huggins, Bongjin S. Mun, <i>Carbon functional groups identification and source apportionment of fine particulate matter</i> , 11th ETH-Conference on Combustion Generated Nanoparticles, August 13th -15th 2007 (oral).
24	Braun A.; <i>Structural Changes Produced in Diesel Soot by the Addition of Ferrocene</i> http://www.ssg.als.lbl.gov/lectures/2007alssem.html
23	Artur Braun, Peter Holtappels, Ulrich Vogt, Christian Soltmann <i>Investigations on the electronic, ionic, and thermal conductivity of nickel and cobalt substituted lanthanum strontium ferrous oxides</i> , Symposium "Fuel Cells and Sustainable Energy", ISE 57th Annual Meeting, Edinburgh, September 2006 (oral)
22	MGC Vernooij, R Kaegi, A Braun, M Mohr, R Gehrig, BS Mun: 10 th ETH-Conference on Combustion Generated Nanoparticles August 21 st -23 rd 2006: <i>Traffic exhaust or wood smoke? Source specification of ambient samples with C (1s) NEXAFS spectroscopy</i> (poster)
21	A BRAUN, FE Huggins, N. Shah, GP Huffman, J. Ilavsky, S Seifert, KE Kelly 10 th ETH-Conference on Combustion Generated Nanoparticles August 21 st -23 rd 2006 <i>The application of small angle X-ray scattering for the study of diesel exhaust particulate matter</i>
20	A BRAUN, FE Huggins, S Wirick, KE Kelly, BS Mun, A Kubatova, GP Huffman 10 th ETH-Conference on Combustion Generated Nanoparticles August 21 st -23 rd 2006 <i>Investigations on "Feinstaub" carbonaceous particulate matter with C(1s) NEXAFS spectroscopy</i>
19	A BRAUN, FE Huggins, SN Ehrlich, KE Kelly, BS Mun. 10th ETH-Conference on Combustion Generated Nanoparticles August 2006. <i>Impact of ferrocene on the structure of diesel exhaust soot (oral)</i>
18	Braun A, Kubatova A, Wirick S, Jacobsen C, Mun S, Huggins FE, Shah N, Huffman GP, Maricq MM. <i>Characterization of carbonaceous airborne particulate matter with NEXAFS spectroscopy</i> . Abstr. Pap. Am. Chem. Soc. 229: U871-8722 133- Fuel Part 1, 2005.
17	Braun A. <i>Supercapacitors – Novel "High Octane-High Proteine" Elements in electric Energy Storage</i> , Energy Pulse – Energy Central. Jan 21, 2005.
16	Kubatova A, Braun A, Dronen LC, Picklo MJ, Hawthorne SB. <i>Hot pressurized water fractionation and toxicological characterization of carbonaceous particulate matter</i> . Abstr. Pap. Am. Chem. Soc. 229: U871 132- Fuel Part 1, 2005. (oral)
15	Braun A. <i>Activated glassy carbon for energy storage</i> . Abstr. Pap. Am. Chem. Soc. 229: U853 014- Fuel Part 1, 2005.
14	Braun A, Seifert S, Ilavsky J, Mun S, Ehrlich S, Wirick S, Kubatova A, Shah N, Huggins F, Kelly K,

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13	A. Braun, N. Shah, F. E. Huggins, S. Wirick, K. Kelly, Ch. Jacobsen, A. Sofarim, G. E Huffman. Investigations of diesel soot with scanning transmission X-ray spectro-microscopy. ACS Fall Meeting 2002, Boston, Fuel Division
12	A. Braun, S. Seifert, E.J. Cairns. Pore Narrowing in Activated Carbons. Advanced Photon Source Activity Report 2001
11	Artur Braun, Naresh Shah, Frank E. Huggins, Sue Wirick, Kerry Kelly, Chris Jacobsen, Adel Sofarim, Gerald E Huffman. Investigations of diesel soot with scanning transmission X-ray spectromicroscopy ACS Fall Meeting, Fuel Division, Boston, 2002
10	A. Braun, Hongxin Wang, Weiwei Gu, Ping-Chang Lin , M. C. Tucker, S. P. Cramer, E. J. Cairns. <i>Depth profile analysis of the valence state of Mn in a cycled lithium ion battery electrode</i> . ALS Compendium of User Abstracts 2000 (157).
9	Braun A, Seifert S, Cairns EJ, <i>In situ anomalous small angle x-ray scattering of LiMn2O4 during electrochemical delithiation</i> . Abstr. Pap. Amer. Chem. Soc. 221: 338-INOR Part 1 APR 1 2001
8	A. Braun, U. Bergmann, Hongxin Wang, P. Glatzel , T. Funk, M. C. Tucker, S. P. Cramer, E. J. Cairns. <i>Oxidation state changes of Mn in lithium battery electrodes during electrode preparation</i> . ALS Compendium of User Abstracts 2000 (158).
7	A. Braun, E.J. Cairns, S. Seifert, P. Thiyagarajan. In-situ anomalous small angle X-ray scattering on an operating rechargeable lithium ion battery cell. Advanced Photon Source Activity Report 2000 (Argonne National Laboratory Report, ANL-01/03, December 2001)
6	A. Braun, D. Alliata, M. Bärtsch, B. Schnyder, R. Kötz, J. Kohlbrecher. <i>SANS on Electrochemically Oxidised Glassy Carbon for Supercapacitor Electrodes</i> . SINQ Experimental Report 1998 and 1999.
5	A. Braun, R. Kötz, R. Saliger. <i>SAXS on Oxidised Glassy Carbon Sheets</i> . HASYLAB Annual Report 1998, no. 24 /2263.
4	M. Bärtsch, A. Braun, B. Schnyder, R. Kötz. Glassy Carbon Supercapacitor: 100'000 cycles demonstrated. PSI Annual Report 1998, Annex V, General Energy, p. 50
3	A. Braun, M. Bärtsch, B. Schnyder, R. Kötz, O. Haas. <i>Investigation of the Porous Structure of Glassy Carbon by SAXS - An Application of Synchrotron Radiation</i> . PSI Scientific Report 1998, Volume V , p.34, March 1999, ISSN 1423-7342.
2	A. Braun, M. Bärtsch, O. Merlo, B. Schnyder, R. Kötz, O. Haas. <i>Thermally Activated Glassy Carbon - A Material for Supercapacitor Electrodes</i> . PSI Annual Report 1997, V , p. 46-47 (1997).
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