COMPETITIVE FUNDING: > 3.75 MIO SWISS FRANCS SINCE 2006

Title/Akronym/Program	*Year*	*Granted*
SOUTH-AFRICAN SWISS JOINT RESEARCH PROJECT "PRODUCTION OF LIQUID SOLAR FUELS FROM CO2 AND WATER: USING RENEWABLE ENERGY SOURCES", SWISS NATIONAL SCIENCE FOUNDATION IZLSZ2_149031	2013	**CHF 224,358**
INTERNATIONAL EXPLORATORY WORKSHOP ON SOFT X-RAYS, ELECTROCHEMISTRY, AND ENERGY MATERIALS, SWISS NATIONAL SCIENCE FOUNDATION + SPECS GMBH + BUNDESAMT FÜR ENERGIE HTTP://P3.SNF.CH/PROJECT-147413	2013	**CHF 25,800**
STRATEGIC SWISS-KOREAN COOPERATIVE PROGRAM: METAL OXIDE PHOTOELECTRODES FOR SOLAR H2 PRODUCTION BY WATER SPLITTING IN PEC CELLS (SWISS-KOREAN PEC, WITH PROF. B.S. MUN, GIST, KOREA) HTTP://WWW.GLOBAL.ETHZ.CH/STC/KOREA/AWARDS	2013	**CHF 48,000**
NANOTERA 20NA21-145936; SHINE: "SOLAR HYDROGEN INTEGRATED NANO ELECTROLYZER" (WITH PI C. MOSER, EPFL) HTTP://WWW.NANO-TERA.CH/PROJECTS/367.PHP	2013	**CHF 435,000**
BIOMIMETIC PHOTOELECTROCHEMICAL CELLS FOR SOLAR HYDROGEN GENERATION USING DAYLIGHT; THE VELUX FOUNDATION (WITH JULIAN IHSSEN)	2012	**CHF 230,000**
THANKS TO PI AND MARIE-HEIM-VÖGTLIN FELLOW DR. RITA TOTH, SELF-ORGANIZATION PROCESSES TO PATTERN THIN FILMS: A BOTTOM-UP APPROACH FOR PHOTOELECTRODES; HTTP://P3.SNF.CH/PROJECT-139698	2012	**CHF 133,902**
POSITIVE ELECTRODE MATERIALS FOR LI-ION BATTERIES FOR ELECTRIC VEHICLES APPLICATION – LIBEV, WITH AGH KRAKOW PROF. J. MOLENDA, PSRP # PSPB-080/2010	2012	**CHF 157,000**
ELECTRONIC ORIGIN OF CR POISONING IN CERAMIC FUEL CELL CATHODES ISJRP INDO-SWISS GRANT NO.: 138864, WITH PROF. D.D. SARMA, INDIA INSTITUTE OF SCIENCE HTTP://INDO-SWISS.EPFL.CH/PAGE-74294-EN.HTML	2011	**CHF 228,213**
THANKS TO CO-FUND FELLOW DR. TZU-WEN HUANG ON SOFC CATHODES	2011	**CHF 80,000**
REACTION-DIFFUSION PROCESSES FOR THE GROWTH OF PATTERNED STRUCTURES AND ARCHITECTURES: BOTTOM-UP APPROACH FOR PHOTOELECTROCHEMICAL ELECTRODES, HTTP://P3.SNF.CH/PROJECT-137868 ; WITH UNIV. OF BASEL, PROF. E.C. CONSTABLE	2011	**CHF 313,000**
SPECTROSCOPY ON PHOTO-ELECTROCHEMICAL ELECTRODE MATERIALS, WITH HANYANG UNIVERSITY, REP. OF KOREA; KOREAN-SWISS PROGRAM SNF # IKZ HTTP://WWW.GLOBAL.ETHZ.CH/STC/KOREA/AWARDS	2010	**CHF 15,000**
OXIDE HETEROINTERFACES IN ASSEMBLIES FOR PHOTO-ELECTROCHEMICAL APPLICATIONS ", UNIV. OF HAWAII, USA; PERSONAL GRANT HTTP://P3.SNF.CH/PROJECT-133944	2010	**CHF 12,500**

SOFC-LIFE - SOLID OXIDE FUEL CELLS - INTEGRATING, DEGRADATION EFFECTS INTO LIFETIME PREDICTION MODELS; EU FP7 PROJECT°256885 HTTP://WWW.FCH-JU.EU/PROJECT/SOLID-OXIDE-FUEL-CELLS-%E2%80%93-INTEGRATING-DEGRADATION-EFFECTS-LIFETIME-PREDICTION-MODELS	2010	**EUR 225,000** (290,000 CHF)
PROTON CONDUCTIVITY IN THIN CERAMIC FILMS SCIEX # - 10.010, WITH KAUNAS UNIVERSITY, LITHUANIA HTTP://WWW.SCIEX.PL/SITES/SCIEX.PL/FILES/ACCEPTED-SECOND-CALL.PDF	2010	**CHF 50,000**
DEFECTS ON METAL OXIDE SURFACES AND SUPERLATTICES WITH PHOTO-ELECTROCHEMICAL PROPERTIES; IN-SITU PHOTO-ELECTROCHEMICAL AND RESONANT X-RAY AND ELECTRON SPECTROSCOPY STUDIES, HTTP://P3.SNF.CH/PROJECT-132126	2010	**CHF 160,000**
NANOBIO-INTERFACES FOR PHOTOCATALYTIC SOLAR HYDROGEN", WITH UNIVERSITY OF SZEGED, HUNGARY, SCIEX # - 10.013 HTTP://WWW.SCIEX.PL/SITES/SCIEX.PL/FILES/ACCEPTED-SECOND-CALL.PDF	2010	**CHF 150,000**
SEMICONDUCTOR NANOWIRES AND NANOCOMPOSITES FOR SOLAR CELL APPLICATIONS AND THEIR PHOTONIC CHARACTERIZATION, INDO SWISS JOINT RESEARCH PROGRAM (ISJRP JUAF17) HTTP://INDO-SWISS.EPFL.CH/PAGE-39665.HTML	2010	**CHF 8,400**
EFFECT OF LATTICE VOLUME AND IMPERFECTIONS ON THE PROTON-PHONON COUPLING IN PROTON CONDUCTING LANTHANIDE TRANSITION METAL OXIDES: HIGH PRESSURE AND HIGH TEMPERATURE NEUTRON AND IMPEDANCE STUDIES, WITH PSI T. STRÄSSLE, J.P. EMBS HTTP://P3.SNF.CH/PROJECT-124812	2009	**CHF 196,000**
NANOSTRUCTURED PEC EU FP7#227179 (CO-PI)	2009	**CHF 75,000**
IP03-092008, CO-PI: THE MECHANISMS OF METALINSULATOR TRANSITIONS UPON CATION DOPING IN LANTHANUM STRONTIUM FERROUS OXIDE –EXPERIMENTAL AND COMPUTATIONAL STUDY	2008	**CHF 38,800**
NANOPARTICLE SOLAR H2 GENERATION BFE #152316-101883; #153613-102809 (PI)	2008	**CHF 160,000**
BASIC RESEARCH EQUIPMENT FOR PHOTOELECTROCATALYSIS R'EQUIP HTTP://P3.SNF.CH/PROJECT-121306	2008	**CHF 210,000**
MOLECULAR LEVEL ASSESSMENT OF THE SOLID-LIQUID INTERFACE IN PHOTOCATALYTIC SYSTEMS WITH SUM FREQUENCY GENERATION SPECTROSCOPY AND ITS RELEVANCE TO SUPERHYDROPHILICITY (EMPA BOARD OF DIRECTORS 7. F&E)	2007	**CHF 100,000**
INVESTIGATION OF THE DRIVING FORCES OF METAL-INSULATOR TRANSITIONS IN LASRFENI-OXIDES: CORRELATION OF CRYSTALLOGRAPHIC STRUCTURE, ELECTRONIC STRUCTURE AND TRANSPORT, http://p3.snf.ch/project-116688	2007	**CHF 135,000**
TAILORING PROTON TRANSPORT IN OXIDE CERAMICS (AKRONYM: PROTONICS; EMPA BOARD OF DIRECTORS 6. F&E)	2006	**CHF 100,000**
CEMTEC, Swiss CCEM # 705 (co-PI)	2006	**CHF 60,000**
HITEMPECHEM, EU FP6 MARIE CURIE MIRG #042095 (AWARDEE)	2006	**EUR 80,000** (120,000 CHF)