

Energy Storage Discussions 2017

Oral session 1		November 20th, 10:20 - 11:20	
ID	Name of the work	Authors	Institutions
O1_1	Production of activated carbon from Agave angustifolia and their application in supercapacitors	L. Chena ¹ , M. Baas ¹ , G. Canché ² , S. Duarte ² , A.K. Cuentas ³ and D. Pacheco ¹	1,2 CICY. 3 IER-UNAM
O1_2	Electrochemical behavior of carbon materials derived from ferrocene	D.J. Araujo-Pérez ¹ , P. González-García ² , M. Arriaga-Fontes ³ , L. Zamora Peredo ¹ , L. García González ¹	1 MICRONA-UV. 2 CIDESI. 3 UV
O1_3	Synthesis of Covalent Coordination Frameworks for Electrochemical Energy Storage Applications: Pseudocapacitors and Batteries	P. Acevedo-Peña ¹ , M.A. Oliver-Tolentino ² , J. Vázquez-Samperio ² , A. Díaz-Lujan ² , M.A. León Luna ² , and E. Reguera ²	CICATA-IPN
Oral session 2		November 20th, 17:00 - 18:00	
ID	Name of the work	Authors	Institutions
O2_1	Advances in the development of TiS ₂ -PEO composites for magnesium rechargeable batteries	E.M. Sanchez-Cervantes ¹ , S. de la Parra-Arciniega ¹ , L.L. Garza-Tovar ¹ and L.C. Torres-Gonzalez ¹	UANL
O2_2	Electronic structure of Li-ion battery materials revealed by soft X-ray Absorption and Emission Spectroscopies	P. Olalde-Velasco ^{1,2,*} , R. Qiao ² , Z. Zhuo ^{2,3} , T. Chin ⁴ , V. Battaglia ⁴ , S. J. Harris ² , F. Pan ³ , P. de la Mora ⁵ and W. Yang ²	1 IFUAP-BUAP. 2 LBNL. 3 Pekin University. 4 LBNL. 5 UNAM
O2_3	Fluorophosphates and phosphates composites as cathodes for sodium batteries	N. Pineda Aguilar ^{1,2} , S.A. Ovalle Pérez ¹ , L.L. Garza-Tovar ^{1*} , L.C. Torres-González ¹ , and D1E.M Sánchez Cervantes ¹	1 UANL. 2 CIMAV
Oral session 3		November 21st, 10:20 - 11:20	
ID	Name of the work	Authors	Institutions
O3_1	Preparation of functionalized carbons from grapefruit peels for application as energy storage materials	L. Romero-Cano ¹ , L. González-Gutiérrez ¹ , H. García-Rosero ^{2,3} , F. Carrasco-Marín ² , D. Nava-Gómez ⁴ , G. Ramos-Sánchez ⁵	1 CIDETEQ. 2 Universidad de Granada. 3 Cororación Universitaria del Meta. 4 UASLP. 5 UAM-I
O3_2	Bismuth oxides Bi ₂ O ₃ -Li ₂ O mechanically mixed with LiFePO ₄ as cathodic material for lithium batteries	J. Mendoza Martínez ¹ , L. Mareon Díaz Chávez ² , I. Romero Ibarra ^{1*} , J. Gabriel Vázquez Arenas ² , G. Ramos-Sánchez ² , I. González ² and M. Galván ²	1 UPIITA-IPN. 2 UAM-I
O3_3	Enhancing the cycling rate of silicon anodes for Li ion batteries incorporating carbonaceous conductive channels	E. Quiroga-González*, M. P. Osorio-García	IFUAP-BUAP
Oral session 4		November 21st, 12:40 - 13:40	
ID	Name of the work	Authors	Institutions
O4_1	Si micro-wires as anodes of Li-ion batteries: the influence of pre-conditioning and applied current on coulombic efficiency	J. F. González-Ramírez ¹ , I. O. Santos-Mendoza ¹ , J. Vazquez-Arenas ^{2*} , E. Quiroga-González ³ , M. R. Chávez-Castillo ³ , C. O. Castillo-Araiza ¹	1,2 UAM-I. 3 IFUAP-BUAP
O4_2	Molecular Dynamics study on nanoporous carbon structures from biomass residues: In silico design of carbon electrodes for energy storage devices	J. Muñiz ^{1,2} , S. Marroquin ³ , G. Gutiérrez ³ , L.M. Mejia-Mendoza ¹ , A.K. Cuentas Gallegos ¹ , M. Robles ¹	1 IER-UNAM. 2 UPCh
O4_3	Improved performance of LiFePO ₄ cathode for Li-ion batteries through percolation studies	G. Guzmán ^{1,2} , J. Vazquez-Arenas ³ , G. Ramos-Sánchez ² , M. Bautista-Ramírez ² I. González ²	1 IPN. 2,3 UAM-I