

YARON COHEN

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General Information

Home:	31st Gefen st., Metar 8502500
Date of Birth:	16/07/1973
Place of Birth:	ISRAEL
Status:	Married + 4

Current Position

06/09-	Research Scientist @ The Nuclear Research Centre Negev, Beer Sheva, Israel.
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Previous Positions

11/15-10/16	Visiting Scientist @ The Institute of Chemistry and the Center for Nanoscience and Nanotechnology, The Hebrew University, Edmond J. Safra Campus, Givat Ram, Jerusalem, Israel. Topic: Photo-Electrochemistry of Colloidal Cu ₂ O Nano Crystals Host: Prof. Uri Banin, HUJI.
08/08-05/09	R&D Manager @ PolyPid Ltd. Petach Tikva, Israel
10/06-07/08	Postdoctoral Fellow @ Weizmann Institute of Science, Rehovot, Israel. Topic: Electronics of Metal - (Organic Monolayers) Insulator – Semiconductor Junctions Host: Prof. David Cahen, WIS.
12/04 – 10/06	Postdoctoral Research Scientist @ (1) Columbia University, NY, NY; (2) IBM T.J Watson Research Center, Yorktown Heights, NY. Topic: 1D Liquid Crystal Structures, Organic Opto- Electronics Hosts: (1) Prof. Colin Nuckolls, CU; (2) Prof. Cherie Kagan, UPenn (formerly IBM).

Education

1999 – 2004	Ph.D., Chemistry Department, Bar-Ilan University, Ramat-Gan, Israel. Thesis Title: Morphological Dynamics in Nonaqueous Electrochemical Systems Advisor: Prof. Doron Aurbach, BIU.
1996 - 1999	B.Sc., Chemistry and Computer Sciences; Bar Ilan university, Ramat Gan, Israel. <i>(magna cum laude)</i>

H-Factor

Source	H-Factor	Date
Scopus	15	7/2019
Web of Science	15	7/2019
Google Scholar	15	7/2019

Academic Teaching

2000-2004 Physical Chemistry – Teacher assistant; Bar Ilan university, Ramat Gan, Israel.
1999-2004 Laboratory in Physical Chemistry; Bar Ilan university, Ramat Gan, Israel

Prizes

2008 IUPAC Poster Prize, 73rd ICS annual meeting, Jerusalem, Israel.
2007 Feinberg fellowship (WIS).
2004 Rothschild fellowship finalist.
2001 Banin prize for achievements in studies.
1999 Wolf prize for academic excellence.

Languages

Hebrew Native language
English Fluent reading, writing and speaking.

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Invited Talks, Chairs

- 1) Energy and Sustainability – Session Chair, at the Israeli Conference on Plasma Science and Applications (IVS-IPSTA), Haifa, Israel, September 2019.
- 2) “Copper-Oxide Nanocrystal Photoelectrodes for Solar Water Splitting Applications”, Chemistry Seminar, Nuclear Research Center, Negev, Israel, December 2016.
- 3) "High Temperature (Molten-Salt) Electrochemistry", Electrochemistry Seminar, Tel Aviv University, April 2013.
- 4) "Structure Mediated Electronics of Molecular Assemblies", Chemistry Seminar, Ariel University, November 2011.
- 5) “Encoding Electronic Functionalities in Organic Supramolecular Arrays”, Chemistry Seminar, Nuclear Research Center, Negev, Israel, December 2009.
- 6) “Encoding of Electronic Functionality in Molecular Structures: Enforced 1D Charge Transport in Discotic Liquid Crystals”, Chemistry seminar, Weizmann Institute of Science, Rehovot, Israel, April 2007.
- 7) “Morphological Dynamics in Nonaqueous Electrochemical systems”, the department of inorganic and analytical chemistry, Chemistry Seminar, The Hebrew University of Jerusalem, Israel, April 2004.
- 8) “Micromorphological studies of lithium electrodes in alkyl carbonate solutions using in situ atomic force microscopy”, The 66th Meeting of the Israel Chemical Soc., Tel Aviv, Israel, Feb 2001.

Posters

- 1) "Colloidal Cu₂O Nano-Crystal Photoelectrodes: The Role of Interfacial Chemistry", The 82nd Annual Meeting of the Israel Chemical Soc., Tel Aviv, Israel, Feb 2017.
- 2) "Order and Interactions Phenomena in Molten Alkali-Halide Salt Binary Mixtures at High Temperatures", The 80th Annual Meeting of the Israel Chemical Soc., Tel Aviv, Israel, Feb 2015.
- 3) "What Controls the Electrochemical Stability of Molten-Salt Mixtures?", IsraElectrochemistry Meeting, Tel Aviv University, July 2012.
- 4) “Organic Photovoltaic Devices Based on Hexabenzocoronene Thin Films”, NSEC annual retreat, Columbia University, New Jersey, April 2006.
- 5) Surface film phenomena on vanadium pentoxide cathodes for Li and Li ion batteries: in situ AFM imaging. Y. S. Cohen and D. Aurbach, The 69th Meeting of the Israel Chemical Soc., Tel Aviv, Israel, Feb 2004.
- 6) Micromorphological Dynamics of Polypyrrole Films in Propylene Carbonate Solutions Studied by in-situ AFM and EQCM, Y. S. Cohen, M. D. Levi and D. Aurbach, Electrochemical Symposium of the Israel Section of the Electrochemical Society, Ramat-Gan, Israel, Jun 2003.

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- 7) “The study of electrodes for rechargeable, high energy density batteries (Li, Mg, Li-ion) by in situ scanning probes microscopy (AFM, STM)”. Doron Aurbach, Yair Cohen, Yaron S. Cohen and Maxim Koltypin, Li Battery Discussion Meeting (LIBD), Bordeaux, Arcachon, France, May 2001.
- 8) “The Study of Electrodes for Rechargeable High Energy Batteries (Li, Li-ion) by in-situ Atomic Force Microscopy (AFM)”, Yaron S. Cohen, Maxim Koltypin, Yair Cohen and Doron Aurbach, 4th Electrochemical Symposium of the Israel Section of the Electrochemical Society, Ramat-Gan, Israel, Jun 2001.

Active Peer-Review Referee of:

1. American Chemical Society (ACS): Nano Letters, Journal of Physical Chemistry C.
2. Electrochemical Society (ECS): Journal of the Electrochemical Society.

Reference Persons

1. Prof. Doron Aurbach, Bar Ilan University, Israel. (Doron.Aurbach@biu.ac.il).
2. Prof. Uri Banin, The Hebrew University, Jerusalem, Israel (banin@chem.ch.huji.ac.il).
3. Prof. David Cahen, Weizmann Institute of Science, Rehovot, Israel (david.cahen@weizmann.ac.il).
4. Prof. Richard Robinson, Cornell University, Ithaca, NY (rdr82@cornell.edu)
5. Prof. Cherie Kagan, University of Pennsylvania, Philadelphia, PA. (kagan@seas.upenn.edu).
6. Prof. Colin Nuckolls, Columbia University, NY, NY (cn37@columbia.edu).