

## CV- Boaz Pokroy

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### **Education**

1996–2000	<b>B.Sc.</b> in Materials Engineering, Technion, Israel, <i>Cum Laude</i>
1996–2000	<b>B.A.</b> in Chemistry, Technion, Israel, <i>Cum Laude</i>
2000–2003	<b>M.Sc.</b> in Materials Engineering, Technion, Israel, <i>Magna Cum Laude</i>
2003–2006	<b>Ph.D.</b> in Materials Engineering, Technion, Israel.

### **Academic Appointments**

Since 3/2020	Full Professor in the Department of Materials Science and Engineering, Technion, Haifa
7/2014–3/2020	Tenured Associate Professor in the Department of Materials Science and Engineering, Technion, Haifa
2009–2014	Assistant Professor in the Department of Materials Science and Engineering, Technion, Haifa
2007–2009	Visiting Scholar (Fulbright) in the lab of Prof. Joanna Aizenberg, Harvard University, Cambridge, MA, USA (Department of Engineering and Applied Sciences)
2/2007–8/2007	Postdoctoral Fellow with Prof. Joanna Aizenberg, Bell Laboratories, Murray Hill, NJ, USA
Since 2015	Member of the national Synchrotron committee of the Israel Academy of Science
Since 2015	Member, “Mechina” Faculty Committee (promotion)
2013	Recipient of a European Research Council (ERC) Starting Grant
Since 2013	Member, Editorial Board of <i>Bioinspired Materials</i> , De Gruyter
Since 2011	Member, Yonsei Institute of Convergence Technology, Yonsei University (YICT) Advisory Committee
2010	Allon Fellowships for Outstanding Young Researchers
2009-2020	Academic Head of the X-ray diffraction laboratory

### **Departmental Activities**

2015-present	Delegate in the Technion Senate.
2016-present	Vice Dean for Graduate Studies
2015-2019	Member of the Faculty “Mechina” committee (promotion)
2013-2018	Department Council Secretary
2010-2012	Organizer of Departmental Seminars

2010-present	Member, Committee of the Materials–Biology Undergraduate Program
2010-present	Member, Departmental Undergraduate Committee
2010-present	Academic Coordinator of the Departmental X-Ray Diffraction Laboratory
2010-2012	Member, Visitor Committee
2010-2012	Member, Departmental Computer Committee
2013-2016	Member, RBNI Undergraduate Committee
2011	Organizer, Distinguished Professor Dan Shechtman (Nobel prize laureate in Chemistry 2011) Symposium on the Occasion of his 70 <sup>th</sup> Birthday
2011; 2019	Search and Purchase of Departmental X-Ray Diffraction Equipment
2009-2020	Academic Head of the X-ray diffraction laboratory

### **Publications**

Total peer-reviewed: 125; H-index (Google Scholar): 40

### **Invited Talks**

By October 2022, I will have presented over 113 lectures in major conferences, workshops and different departments around the world. This includes 48 invited, 7 keynote and 1 plenary talk at top international meetings including *Gordon Research Conferences*, *Goldschmidt*, the *Materials Research Society Meetings*, *Composites at Lake Louise* and others.

### **Research Grants (past five years)**

<u>Research Topic</u>	<u>Funding Agency</u>
Self-formation of nanosteps and atomic steps of template-stripped thin films: from fundamentals to prospective applications	ISF, Israel 2016
Graphene based revolutions in ICT and beyond	Horizon 2020 FET 2016
Development of novel technology preventing a bacterial attachment and biofilm formation on surfaces related to milking equipment on farms	Ministry of Science, Agricult. Domain, Israel 2016
Deposition of metals via ALD for 3D devices	Ministry of Sci., Tech. & Space, Israel 2016
Development of a generic novel technology for the fabrication of durable, transparent superhydrophobic polymer surfaces	Ministry of Finance, Israel 2017

Nano manipulators	MAFAT, Israel 2017
AntiSeptic Wax	Proof of Concept, ERC 2018
Experiments in the space environment using remote-controlled miniaturized lab microgravity platforms	Italian Ministry of Space, Italy 2018
High-mobility amorphous-iodide-based channel materials for p-type thin-film transistors and complimentary TFT circuitry	BSF-NSF, Israel 2019
Understanding the mechanisms of nanoporous metal single crystal nanostructure evolution: the path to enhanced thermal stability.	ISF, Israel 2019
Bioinspired incorporation of amino acids into inorganic semiconductors: deciphering the mechanisms of band gap shifts and chirality	GIF 2020
Thermally stable nanoporous gold for improved automotive catalytic converters	Proof of Concept, ERC 2020
The mechanism of SARS-CoV-2 interfacial behavior: From basic understanding to the design of anti-coronavirus surfaces	ISF- Kill Corona, Israel 2020

### **Special Professional Activities**

1. Since 2017- Member, Editorial Board of ***MRS Bulletin***.
2. Since 2013- Member, Editorial Board of ***Bioinspired Materials, De Gruyter***.
3. Since 2016- Member, Editorial Advisory Board of ***Molecular Systems Design & Engineering*** the Royal Society of Chemistry.
4. Continuously review papers for the following journals: *Science, Nature family, Proceedings of the National Academy of Sciences USA, Journal of the American Chemical Society, Langmuir, Chemical Reviews, Crystal Engineering Communications, Crystal Growth and Design, Physical Chemistry Chemical Physics, Journal of Structural Biology, Soft Matter, Materials Research Bulletin, Materials Today, Advanced Materials, Small, Journal of Materials Research, Canadian Mineralogist, Chemistry a European Journal, PLoS ONE, Chemical Science.*