

List of publication
(last 3 Years)

[Solid-state electron transport via cytochrome c depends on electronic coupling to electrodes and across the protein.](#)

Amdursky N, Ferber D, Bortolotti CA, Dolgikh DA, Chertkova RV, **Pecht I**, Sheves M, Cahen D.

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[Multicopper oxidases: intramolecular electron transfer and O₂ reduction.](#)

Wherland S, Farver O, **Pecht I**.

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[Redox activity distinguishes solid-state electron transport from solution-based electron transfer in a natural and artificial protein: cytochrome C and hemin-doped human serum albumin.](#)

Amdursky N, Ferber D, **Pecht I**, Sheves M, Cahen D.

Phys Chem Chem Phys. 2013 Oct 28;15(40):17142-9. doi: 10.1039/c3cp52885e.

[Designed azurins show lower reorganization free energies for intraprotein electron transfer.](#)

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Proc Natl Acad Sci U S A. 2013 Jun 25;110(26):10536-40. doi: 10.1073/pnas.1215081110. Epub 2013 Jun 12.

[Electron transport via cytochrome c on Si-H surfaces: roles of Fe and heme.](#)

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[Marked changes in electron transport through the blue copper protein azurin in the solid state upon deuteration.](#)

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[Solvent accessibility in the distal heme pocket of the nitrosyl d\(1\)-heme complex of Pseudomonas stutzeri cd\(1\) nitrite reductase.](#)

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Biochemistry. 2012 Nov 13;51(45):9192-201. doi: 10.1021/bi3011237. Epub 2012 Nov 2.

[Temperature-dependent solid-state electron transport through bacteriorhodopsin: experimental evidence for multiple transport paths through proteins.](#)

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[Intramolecular electron transfer in laccases.](#)

Farver O, Wherland S, Koroleva O, Loginov DS, **Pecht I**.

FEBS J. 2011 Sep;278(18):3463-71. doi: 10.1111/j.1742-4658.2011.08268.x. Epub 2011 Aug 31.

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[Proteins as solid-state electronic conductors.](#)

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J Am Chem Soc. 2010 Mar 31;132(12):4131-40. doi: 10.1021/ja907328r.

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