

# Igor Griva

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

711  
citations

1039880

9  
h-index

713332

21  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1018  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conductive Wiring of Immobilized Photosynthetic Reaction Center to Electrode by Cytochrome c. <i>Journal of the American Chemical Society</i> , 2006, 128, 12044-12045.	6.6	120
2	Electrochemically Controlled Conductance Switching in a Single Molecule: Quinone-Modified Oligo(phenylene vinylene). <i>ACS Nano</i> , 2008, 2, 1289-1295.	7.3	60
3	Effects of Distance and Driving Force on Photoinduced Electron Transfer between Photosynthetic Reaction Centers and Gold Electrodes. <i>Journal of Physical Chemistry C</i> , 2007, 111, 17122-17130.	1.5	49
4	Primal-dual nonlinear rescaling method with dynamic scaling parameter update. <i>Mathematical Programming</i> , 2006, 106, 237-259.	1.6	43
5	A virus-based nanoplasmonic structure as a surface-enhanced Raman biosensor. <i>Biosensors and Bioelectronics</i> , 2016, 77, 306-314.	5.3	27
6	On the electron transfer through <i>Geobacter sulfurreducens</i> PilA protein. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 1706-1717.	2.4	22
7	A penalized regression approach to haplotype reconstruction of viral populations arising in early HIV/SIV infection. <i>Bioinformatics</i> , 2017, 33, 2455-2463.	1.8	21
8	Numerical Experiments with an Interior-Exterior Point Method for Nonlinear Programming. <i>Computational Optimization and Applications</i> , 2004, 29, 173-195.	0.9	13
9	1.5-Q-superlinear convergence of an exterior-point method for constrained optimization. <i>Journal of Global Optimization</i> , 2008, 40, 679-695.	1.1	11
10	Investigating Functional Roles for Positive Feedback and Cellular Heterogeneity in the Type I Interferon Response to Viral Infection. <i>Viruses</i> , 2018, 10, 517.	1.5	9
11	Effect of iron doping on protein molecular conductance. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 14072-14081.	1.3	8
12	Internal Control of Electron Transfer through a Single Iron Atom by Chelating Porphyrin. <i>Journal of Physical Chemistry C</i> , 2013, 117, 6933-6939.	1.5	7
13	Support vector machine via nonlinear rescaling method. <i>Optimization Letters</i> , 2007, 1, 367-378.	0.9	6
14	Structural Reorganizations Control Intermolecular Conductance and Charge Trapping in Paraquat-tetraphenylborate Inverse Photochemical Cell. <i>Photochemistry and Photobiology</i> , 2011, 87, 1024-1030.	1.3	6
15	Fast projected gradient method for support vector machines. <i>Optimization and Engineering</i> , 2016, 17, 651-662.	1.3	6
16	On the Role of Oxygen in the Formation of Electron Transmission Channels in Oligo(Phenylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	1.5	5
17	The Effect of Water on Electron Transfer through Conductive Oligo(phenylene vinylene) Quinones. <i>Journal of Physical Chemistry C</i> , 2010, 114, 22710-22717.	1.5	5
18	Exterior-Point Method for Support Vector Machines. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014, 25, 1390-1393.	7.2	5

#	ARTICLE	IF	CITATIONS
19	Set based framework for Gibbs energy minimization. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2015, 48, 18-26.	0.7	5
20	Numerical Optimization Technique for Optimal Design of the n Grooves Surface Plasmon Grating Coupler. Procedia Computer Science, 2014, 29, 2145-2151.	1.2	4
21	The Role of Electrode Curvature in Controlling Electron Transfer between the Photosynthetic Reaction Center Protein and Gold Nanoelectrodes. ChemPhysChem, 2010, 11, 3589-3591.	1.0	3
22	Regulation of interferon stimulated gene expression levels at homeostasis. Cytokine, 2020, 126, 154870.	1.4	3
23	An Advanced Artificial Intelligence System for Identifying the Near-Core Impact Features to Tropical Cyclone Rapid Intensification from the ERA-Interim Data. Atmosphere, 2022, 13, 643.	1.0	1
24	On a number of inflection points of activity curves for a regular solution. Canadian Metallurgical Quarterly, 2017, 56, 368-369.	0.4	0
25	Internal Redox Polarity of an Individual <i>G. sulfurreducens</i> Bacterial Cell Attached to an Inorganic Substrate. ChemPhysChem, 2018, 19, 1820-1829.	1.0	0
26	Internal Redox Polarity of an Individual <i>G. sulfurreducens</i> Bacterial Cell Attached to an Inorganic Substrate. ChemPhysChem, 2018, 19, 1801-1801.	1.0	0