

# Maria Hilczer

## List of Publications by Year in descending order

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29  
papers

338  
citations

933264

10  
h-index

839398

18  
g-index

29  
all docs

29  
docs citations

29  
times ranked

422  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unified Theory of Geminate and Bulk Electron-Hole Recombination in Organic Solar Cells. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6808-6813.	1.5	121
2	Electric field effects on fluorescence quenching due to electron transfer. <i>Journal of Chemical Physics</i> , 2001, 115, 11249-11253.	1.2	34
3	Electric field effects on fluorescence quenching due to electron transfer. II. Linked donor-acceptor systems. <i>Journal of Chemical Physics</i> , 2002, 117, 1759-1767.	1.2	23
4	Theory of the Stopped-Flow Method for Studying Micelle Exchange Kinetics. <i>Langmuir</i> , 2001, 17, 4196-4201.	1.6	14
5	Electron Localization in Liquid Methanol. Lifetime of the Pre-existing Electron Traps. <i>The Journal of Physical Chemistry</i> , 1996, 100, 7691-7697.	2.9	13
6	Trapped electron in frozen ionic solutions—a theoretical model. <i>Radiation Physics and Chemistry</i> (1977), 1981, 17, 431-437.	0.4	12
7	Preexisting traps for electrons in polar liquids. Statistical distributions of trap energy and structure. <i>Journal of Chemical Physics</i> , 1988, 89, 2286-2291.	1.2	11
8	Computer simulation studies of solvent effect on electron transfer in acetonitrile solutions. <i>Journal of Molecular Liquids</i> , 1995, 64, 113-121.	2.3	11
9	Stochastic Approach to Charge Separation in Multiexcited Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2009, 113, 18451-18454.	1.5	11
10	An application of random field theory to analysis of electron trapping sites in disordered media. <i>The Journal of Physical Chemistry</i> , 1993, 97, 508-512.	2.9	10
11	Competitive Electron Transfers in Model Triad Systems. MD Simulations. <i>The Journal of Physical Chemistry</i> , 1996, 100, 8815-8826.	2.9	10
12	Radiolysis of 5,10,15,20-tetrakis(N-methyl-4-pyridyl)-porphyrin or 5,10,15,20-tetrakis(4-sulfonatophenyl)-porphyrin in aqueous solution in the presence and in the absence of DNA or human serum albumin. <i>Radiation Physics and Chemistry</i> , 2013, 91, 156-165.	1.4	10
13	A statistical model of the solvated electron in polar media: the point-dipole approximation. <i>The Journal of Physical Chemistry</i> , 1990, 94, 6165-6171.	2.9	9
14	Effect of solvent polarity on the potential of mean force between two molecular ions: MD simulation. <i>Chemical Physics Letters</i> , 1998, 295, 337-346.	1.2	9
15	An excess electron-methanol pseudopotential. <i>The Journal of Physical Chemistry</i> , 1992, 96, 2736-2742.	2.9	7
16	Electron solvation in liquid 1-propanol and 2-propanol. Effect of microscopic liquid structure. <i>Radiation Physics and Chemistry</i> , 2003, 67, 263-268.	1.4	7
17	The inclusion of d-type Gaussian functions in the analytic method for the calculation of electrostatic molecular potentials. Interaction of a proton or a positive muon with carbon monoxide. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1985, 81, 1761.	1.1	6
18	Computer simulation of electron transfer reactions between two molecular species in solvents of various polarity. <i>Journal of Molecular Liquids</i> , 2000, 86, 97-102.	2.3	5

#	ARTICLE	IF	CITATIONS
19	Electron localization in liquid alcohols. A statistical model. International Journal of Radiation Applications and Instrumentation Nuclear Tracks and Radiation Measurements, 1990, 36, 199-202.	0.0	3
20	Pulse radiolysis of 9-anthrylmethylammonium cation in aqueous solution. Chemical Physics Letters, 2005, 410, 213-217.	1.2	3
21	Distribution of the decay rate constants of individual excited probes surrounded by randomly distributed quenchers. Journal of Chemical Physics, 2009, 130, 184502.	1.2	3
22	Theoretical study of electron transfer reactions in molecular clusters. Chemical Physics Letters, 1998, 284, 350-358.	1.2	2
23	Electric field effect on electron transfer between donor and acceptor in polymer matrix. Journal of Photochemistry and Photobiology A: Chemistry, 2004, 166, 33-44.	2.0	2
24	Trapped electron in frozen ionic solutions. II. Asymmetry and relaxation of electron traps. Radiation Physics and Chemistry (1977), 1985, 26, 693-695.	0.4	1
25	Primary electron localization in polar liquids: Dependence on matrix and temperature. Research on Chemical Intermediates, 2001, 27, 807-822.	1.3	1
26	Statistical model of the localized electron in dilute ionic solutions. International Journal of Radiation Applications and Instrumentation Nuclear Tracks and Radiation Measurements, 1991, 38, 333-338.	0.0	0
27	Electron localization in random potential fields. Statistics of potential in polar disordered media. International Journal of Radiation Applications and Instrumentation Nuclear Tracks and Radiation Measurements, 1992, 39, 85-90.	0.0	0
28	Competitive electron transfers in model ionic triad systems: MD simulations. Journal of Photochemistry and Photobiology A: Chemistry, 2003, 158, 83-100.	2.0	0
29	Stochastic Treatment of Dye Transfer between Droplets Dispersed in Water. Journal of Physical Chemistry B, 2003, 107, 1933-1936.	1.2	0