

Maria Hilczer

List of Publications by Year in descending order

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papers

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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. Journal of Physical Chemistry C, 2010, 114, 6808-6813.	3.1	121
2	Electric field effects on fluorescence quenching due to electron transfer. Journal of Chemical Physics, 2001, 115, 11249-11253.	3.0	34
3	Electric field effects on fluorescence quenching due to electron transfer. II. Linked donor-acceptor systems. Journal of Chemical Physics, 2002, 117, 1759-1767.	3.0	23
4	Theory of the Stopped-Flow Method for Studying Micelle Exchange Kinetics. Langmuir, 2001, 17, 4196-4201.	3.5	14
5	Electron Localization in Liquid Methanol. Lifetime of the Pre-existing Electron Traps. The Journal of Physical Chemistry, 1996, 100, 7691-7697.	2.9	13
6	Trapped electron in frozen ionic solutions – a theoretical model. Radiation Physics and Chemistry (1977), 1981, 17, 431-437.	0.3	12
7	Preexisting traps for electrons in polar liquids. Statistical distributions of trap energy and structure. Journal of Chemical Physics, 1988, 89, 2286-2291.	3.0	11
8	Computer simulation studies of solvent effect on electron transfer in acetonitrile solutions. Journal of Molecular Liquids, 1995, 64, 113-121.	4.9	11
9	Stochastic Approach to Charge Separation in Multiexcited Quantum Dots. Journal of Physical Chemistry C, 2009, 113, 18451-18454.	3.1	11
10	An application of random field theory to analysis of electron trapping sites in disordered media. The Journal of Physical Chemistry, 1993, 97, 508-512.	2.9	10
11	Competitive Electron Transfers in Model Triad Systems. MD Simulations. The Journal of Physical Chemistry, 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. Radiation Physics and Chemistry, 2013, 91, 156-165.	2.8	10
13	A statistical model of the solvated electron in polar media: the point-dipole approximation. The Journal of Physical Chemistry, 1990, 94, 6165-6171.	2.9	9
14	Effect of solvent polarity on the potential of mean force between two molecular ions: MD simulation. Chemical Physics Letters, 1998, 295, 337-346.	2.6	9
15	An excess electron-methanol pseudopotential. The Journal of Physical Chemistry, 1992, 96, 2736-2742.	2.9	7
16	Electron solvation in liquid 1-propanol and 2-propanol. Effect of microscopic liquid structure. Radiation Physics and Chemistry, 2003, 67, 263-268.	2.8	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. Journal of the Chemical Society, Faraday Transactions 2, 1985, 81, 1761.	1.1	6
18	Computer simulation of electron transfer reactions between two molecular species in solvents of various polarity. Journal of Molecular Liquids, 2000, 86, 97-102.	4.9	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.	2.6	3
21	Distribution of the decay rate constants of individual excited probes surrounded by randomly distributed quenchers. Journal of Chemical Physics, 2009, 130, 184502.	3.0	3
22	Theoretical study of electron transfer reactions in molecular clusters. Chemical Physics Letters, 1998, 284, 350-358.	2.6	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.	3.9	2
24	Trapped electron in frozen ionic solutions. II. Asymmetry and relaxation of electron traps. Radiation Physics and Chemistry (1977), 1985, 26, 693-695.	0.3	1
25	Primary electron localization in polar liquids: Dependence on matrix and temperature. Research on Chemical Intermediates, 2001, 27, 807-822.	2.7	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.	3.9	0
29	Stochastic Treatment of Dye Transfer between Droplets Dispersed in Water. Journal of Physical Chemistry B, 2003, 107, 1933-1936.	2.6	0