

Diane K Smith

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Electrochemically-Controlled Hydrogen Bonding. Selective Recognition of Urea and Amide Derivatives by Simple Redox-Dependent Receptors. <i>Journal of the American Chemical Society</i> , 1996, 118, 3976-3977.	13.7	117
2	Electrochemically Controlled Hydrogen Bonding. o-Quinones as Simple Redox-Dependent Receptors for Arylureas. <i>Journal of Organic Chemistry</i> , 2000, 65, 8831-8838.	3.2	100
3	Electrochemically Controlled Hydrogen Bonding. Nitrobenzenes as Simple Redox-Dependent Receptors for Arylureas. <i>Journal of the American Chemical Society</i> , 2005, 127, 6423-6429.	13.7	82
4	How Do Proximal Hydroxy or Methoxy Groups on the Bidentate Ligand Affect [(2,2',6',6'-terpyridine)Ru(N,N)X] Water Oxidation Catalysts? Synthesis, Characterization, and Reactivity at Acidic and Near-Neutral pH. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 676-689.	2.0	61
5	Electrochemical Characterization of a Viologen-Based Redox-Dependent Receptor for Neutral Organic Molecules. <i>Analytical Chemistry</i> , 1994, 66, 3013-3020.	6.5	39
6	Development of Chemical Sensors Based on Redox-Dependent Receptors. Preparation and Characterization of Phenanthrenequinone-Modified Electrodes. <i>Analytical Chemistry</i> , 2000, 72, 1860-1865.	6.5	37
7	Electrochemical Evidence for Intermolecular Proton-Coupled Electron Transfer through a Hydrogen Bond Complex in a p-Phenylenediamine-Based Urea. Introduction of the "Wedge Scheme" as a Useful Means To Describe Reactions of This Type. <i>Journal of the American Chemical Society</i> , 2013, 135, 18930-18941.	13.7	28
8	Kinetic Stabilization of Quinone Dianions via Hydrogen Bonding by Water in Aprotic Solvents. <i>Journal of Physical Chemistry C</i> , 2015, 119, 20319-20327.	3.1	28
9	The Effect of H-Bonding and Proton Transfer on the Voltammetry of 2,3,5,6-Tetramethyl-p-phenylenediamine in Acetonitrile. An Unexpectedly Complex Mechanism for a Simple Redox Couple. <i>Journal of Physical Chemistry C</i> , 2010, 114, 8938-8949.	3.1	25
10	Nitrotriazole- and Imidazole-Based Amides and Sulfonamides as Antitubercular Agents. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 6828-6836.	3.2	25
11	Electrochemically Controlled Hydrogen Bonding. Electrolyte Effects in an Oxidation-Based Arylurea-Amide System. <i>Journal of the American Chemical Society</i> , 2008, 130, 10070-10071.	13.7	24
12	Solvent effects on the redox-dependent binding properties of a viologen-based receptor for neutral organic molecules. <i>Analytical Chemistry</i> , 1995, 67, 3733-3739.	6.5	16
13	Resolution of trans-Cyclohexane-1,2-diamine and Determination of the Enantiopurity Using Chiral Solid-Phase HPLC Techniques and Polarimetry. <i>Journal of Chemical Education</i> , 1998, 75, 1459.	2.3	15
14	Redox-dependent binding in a viologen host. <i>Journal of Electroanalytical Chemistry</i> , 1992, 340, 341-348.	3.8	10
15	Use of an electrochemically-induced proton-coupled electron transfer reaction to control dimerization in a ureidopyrimidone 4 H-bond array. <i>Chemical Communications</i> , 2016, 52, 7253-7256.	4.1	10
16	Redox-Responsive Dimerization in a Ferrocene-Ureidopyrimidone Supramolecular Assembly. <i>Journal of Organic Chemistry</i> , 2018, 83, 11595-11603.	3.2	10
17	The Role of H-Bonding in Nonconcerted Proton-Coupled Electron Transfer: Explaining the Voltammetry of Phenylenediamines in the Presence of Weak Bases in Acetonitrile. <i>Journal of Physical Chemistry C</i> , 2019, 123, 23390-23402.	3.1	10
18	Redox-Responsive H-Bonding: Amplifying the Effect of Electron Transfer Using Proton-Coupled Electron Transfer. <i>Journal of the American Chemical Society</i> , 2020, 142, 17271-17276.	13.7	10

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19	An Active-Site Sulfonate Group Creates a Fast Water Oxidation Electrocatalyst That Exhibits High Activity in Acid. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1540-1545.	13.8	10
20	Use of a Wedge Scheme to Describe Intermolecular Proton-Coupled Electron Transfer through the H-bond Complex Formed Between a Phenylenediamine-Based Urea and 1,8-Naphthyridine. <i>Journal of Physical Chemistry C</i> , 2015, 119, 12865-12874.	3.1	9
21	Click chemistry-facilitated comprehensive identification of proteins adducted by antimicrobial 5-nitroimidazoles for discovery of alternative drug targets against giardiasis. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008224.	3.0	9
22	N,N'-dimethyl-2,7-diazapyrenium: a redox-dependent receptor for aromatic carboxylates. <i>Journal of Electroanalytical Chemistry</i> , 1996, 414, 107-114.	3.8	4
23	An Active-Site Sulfonate Group Creates a Fast Water Oxidation Electrocatalyst That Exhibits High Activity in Acid. <i>Angewandte Chemie</i> , 2021, 133, 1564-1569.	2.0	4
24	Exploring the Role of H-Bonding in Organic Electrochemistry – From Supramolecular Applications to Mechanistic Investigations. <i>Chemical Record</i> , 2021, 21, 2488-2501.	5.8	3
25	Electrochemical Studies of p-Phenylenediamines in Acetonitrile in the Presence of Acids. <i>ECS Meeting Abstracts</i> , 2010, , .	0.0	0