

Philippe Hapiot

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

3,518
citations

172457

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149698

56
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61
all docs

61
docs citations

61
times ranked

3963
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Electrochemical reduction of quinones in ethaline chosen as an example of deep eutectic solvent. <i>Electrochemical Science Advances</i> , 2023, 3, . | 2.8 | 0 |
| 2 | Charge Transfer Kinetics at Ag(111) Single Crystal Electrode/Ionic Liquid Interfaces: Dependence on the Cation Alkyl Side Chain Length. <i>ChemElectroChem</i> , 2021, 8, 983-990. | 3.4 | 4 |
| 3 | SECM Investigation of Carbon Composite Thermoplastic Electrodes. <i>Analytical Chemistry</i> , 2021, 93, 1304-1309. | 6.5 | 9 |
| 4 | Efficient Dechlorination of $\hat{\pm}$ -Halocarbonyl and $\hat{\pm}$ -Haloallyl Pollutants by Electroreduction on Bismuth. <i>Environmental Science & Technology</i> , 2020, 54, 559-567. | 10.0 | 12 |
| 5 | Electron Transfer Kinetics in a Deep Eutectic Solvent. <i>Journal of Physical Chemistry B</i> , 2020, 124, 1025-1032. | 2.6 | 29 |
| 6 | Increasing Applications of Graphite Thermoplastic Electrodes with Aryl Diazonium Grafting. <i>ChemElectroChem</i> , 2019, 6, 4811-4816. | 3.4 | 14 |
| 7 | Investigation of Protective Properties of Organic Layers toward Reactive Oxygen Species. <i>Langmuir</i> , 2019, 35, 16210-16216. | 3.5 | 4 |
| 8 | Ti-Catalyst Biomimetic Sensor for the Detection of Nitroaromatic Pollutants. <i>Analytical Chemistry</i> , 2019, 91, 2797-2804. | 6.5 | 7 |
| 9 | Evaluation of Alkyl- ϵ -Ferrocene Monolayers on Carbons for Charge Storage Applications, a Voltammetry and Impedance Spectroscopy Investigation. <i>ChemElectroChem</i> , 2019, 6, 1704-1710. | 3.4 | 10 |
| 10 | Diffusion of redox active molecules in deep eutectic solvents. <i>Journal of Electroanalytical Chemistry</i> , 2018, 819, 214-219. | 3.8 | 25 |
| 11 | Molecular nano-structuration of carbon surfaces through reductive diazonium salts grafting. <i>Current Opinion in Electrochemistry</i> , 2018, 7, 103-108. | 4.8 | 22 |
| 12 | Photo-electrochemical properties of quantum rods studied by scanning electrochemical microscopy. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 4627-4635. | 2.8 | 6 |
| 13 | Influence of Fluorene and Spirobifluorene Regioisomerism on the Structure, Organization, and Permeation Properties of Monolayers. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14228-14237. | 3.1 | 12 |
| 14 | Reversible on-surface wiring of resistive circuits. <i>Chemical Science</i> , 2017, 8, 4340-4346. | 7.4 | 5 |
| 15 | A Tribute to Christian Amatore. <i>ChemElectroChem</i> , 2016, 3, 1965-1966. | 3.4 | 0 |
| 16 | Localized Electrochemistry for Studying Functional Carbon Surfaces. <i>Electroanalysis</i> , 2016, 28, 2680-2687. | 2.9 | 5 |
| 17 | Electrografting of 4-Nitrobenzenediazonium Ion at Carbon Electrodes: Catalyzed and Uncatalyzed Reduction Processes. <i>Langmuir</i> , 2016, 32, 468-476. | 3.5 | 35 |
| 18 | Amine-Terminated Monolayers on Carbon: Preparation, Characterization, and Coupling Reactions. <i>Langmuir</i> , 2015, 31, 5071-5077. | 3.5 | 47 |

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|----|--|------|-----------|
| 19 | Tunneling Dendrimers. Enhancing Charge Transport through Insulating Layer Using Redox Molecular Objects. <i>Journal of the American Chemical Society</i> , 2014, 136, 17950-17953. | 13.7 | 28 |
| 20 | Comparative Electrochemical Investigations in Ionic Liquids and Molecular Solvents of a Carbon Surface Modified by a Redox Monolayer. <i>Journal of Physical Chemistry C</i> , 2014, 118, 28640-28646. | 3.1 | 13 |
| 21 | Insights into water coordination associated with the Cu ^{II} /Cu ^I electron transfer at a biomimetic Cu centre. <i>Dalton Transactions</i> , 2014, 43, 6436-6445. | 3.3 | 16 |
| 22 | Covalently Anchored Carboxyphenyl Monolayer via Aryldiazonium Ion Grafting: A Well-Defined Reactive Tether Layer for On-Surface Chemistry. <i>Langmuir</i> , 2014, 30, 7104-7111. | 3.5 | 37 |
| 23 | One-Pot Electrografting of Mixed Monolayers with Controlled Composition. <i>Journal of Physical Chemistry C</i> , 2014, 118, 15919-15928. | 3.1 | 40 |
| 24 | Locally Induced and Self-Induced "Electroclick" onto a Self-Assembled Monolayer: Writing and Reading with SECM under Unbiased Conditions. <i>Langmuir</i> , 2014, 30, 4501-4508. | 3.5 | 17 |
| 25 | Bilayer Molecular Electronics: All-Carbon Electronic Junctions Containing Molecular Bilayers Made with "Click" Chemistry. <i>Journal of the American Chemical Society</i> , 2013, 135, 12972-12975. | 13.7 | 63 |
| 26 | Chemically Irreversible Redox Mediator for SECM Kinetics Investigations: Determination of the Absolute Tip-Sample Distance. <i>Analytical Chemistry</i> , 2013, 85, 1840-1845. | 6.5 | 11 |
| 27 | Mixed Monolayer Organic Films via Sequential Electrografting from Aryldiazonium Ion and Arylhydrazine Solutions. <i>Langmuir</i> , 2013, 29, 3133-3139. | 3.5 | 29 |
| 28 | Nanostructured Monolayers on Carbon Substrates Prepared by Electrografting of Protected Aryldiazonium Salts. <i>Chemistry of Materials</i> , 2013, 25, 489-495. | 6.7 | 83 |
| 29 | Use of Catechol As Selective Redox Mediator in Scanning Electrochemical Microscopy Investigations. <i>Analytical Chemistry</i> , 2012, 84, 7518-7524. | 6.5 | 52 |
| 30 | Electrografting of calix[4]arene diazonium salts to form versatile robust platforms for spatially controlled surface functionalization. <i>Nature Communications</i> , 2012, 3, 1130. | 12.8 | 118 |
| 31 | Evidence for OH Radical Production during Electrocatalysis of Oxygen Reduction on Pt Surfaces: Consequences and Application. <i>Journal of the American Chemical Society</i> , 2012, 134, 2835-2841. | 13.7 | 126 |
| 32 | Robust Assembly of Dendrimers as an Active Redox-Sensing Monolayer: An Example of Oxo-Anion Sensing. <i>Chemistry - A European Journal</i> , 2012, 18, 7041-7044. | 3.3 | 8 |
| 33 | Design of Robust Binary Film onto Carbon Surface Using Diazonium Electrochemistry. <i>Langmuir</i> , 2011, 27, 11222-11228. | 3.5 | 47 |
| 34 | Scanning Electrochemical Microscopy Studies of Glutathione-Modified Surfaces. An Erasable and Sensitive-to-Reactive Oxygen Species Surface. <i>Langmuir</i> , 2011, 27, 11206-11211. | 3.5 | 15 |
| 35 | Efficient Covalent Modification of a Carbon Surface: Use of a Silyl Protecting Group To Form an Active Monolayer. <i>Journal of the American Chemical Society</i> , 2010, 132, 14039-14041. | 13.7 | 191 |
| 36 | Charge Transfer between Electroactive Species Immobilized on Carbon Surfaces by Aryl Diazonium Reduction. SECM Investigations. <i>Journal of Physical Chemistry C</i> , 2010, 114, 3075-3081. | 3.1 | 23 |

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|----|---|------|-----------|
| 37 | Dimerization of ion radicals in ionic liquids. An example of favourable "Coulombic" solvation. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 7506. | 2.8 | 24 |
| 38 | Diffusion of Molecules in Ionic Liquids/Organic Solvent Mixtures. Example of the Reversible Reduction of O ₂ to Superoxide. <i>Journal of Physical Chemistry B</i> , 2009, 113, 2019-2023. | 2.6 | 47 |
| 39 | Superoxide Protonation by Weak Acids in Imidazolium Based Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2009, 113, 2826-2831. | 2.6 | 52 |
| 40 | Electronic Communication between Immobilized Ferrocenyl-Terminated Dendrimers. <i>Journal of the American Chemical Society</i> , 2009, 131, 6652-6653. | 13.7 | 58 |
| 41 | Electrochemical Reactivity in Room-Temperature Ionic Liquids. <i>Chemical Reviews</i> , 2008, 108, 2238-2264. | 47.7 | 1,094 |
| 42 | Optimized Preparation and Scanning Electrochemical Microscopy Analysis in Feedback Mode of Glucose Oxidase Layers Grafted onto Conducting Carbon Surfaces. <i>Langmuir</i> , 2008, 24, 9089-9095. | 3.5 | 31 |
| 43 | Variations of Diffusion Coefficients of Redox Active Molecules in Room Temperature Ionic Liquids upon Electron Transfer. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14952-14958. | 2.6 | 50 |
| 44 | Crown Ether Vinylogous Tetrathiafulvalene Receptors: A Complexation Interference on the Molecular Movements Triggered by Electron Transfer. <i>Journal of Organic Chemistry</i> , 2007, 72, 4655-4662. | 3.2 | 35 |
| 45 | Scanning Electrochemical Microscopy in Unusual Solvents: A Inequality of Diffusion Coefficients Problem. <i>Analytical Chemistry</i> , 2007, 79, 7383-7391. | 6.5 | 63 |
| 46 | Facile electrochemical generation of polyoxyethyl-vinylogous tetrathiafulvalene films. <i>Electrochemistry Communications</i> , 2007, 9, 677-682. | 4.7 | 10 |
| 47 | Metal/Polypyrrole Quasi-Reference Electrode for Voltammetry in Nonaqueous and Aqueous Solutions. <i>Analytical Chemistry</i> , 2006, 78, 6868-6872. | 6.5 | 100 |
| 48 | Direct versus indirect electron transfers in host-guest-inclusion complexes: Example of the oxidation of TTF- β -CD complexes. <i>Journal of Electroanalytical Chemistry</i> , 2006, 593, 87-98. | 3.8 | 12 |
| 49 | Heterogeneous electron-transfer kinetics of nitro compounds in room-temperature ionic liquids. <i>Journal of Electroanalytical Chemistry</i> , 2005, 585, 1-7. | 3.8 | 86 |
| 50 | The influence of room-temperature ionic liquids on the stereoselectivity and kinetics of the electrochemical pinacol coupling of acetophenone. <i>Green Chemistry</i> , 2005, 7, 468. | 9.0 | 59 |
| 51 | Specific Effects of Room Temperature Ionic Liquids on Cleavage Reactivity: A Example of the Carbon-Halogen Bond Breaking in Aromatic Radical Anions. <i>Journal of Physical Chemistry A</i> , 2004, 108, 6175-6182. | 2.5 | 59 |
| 52 | Cyclic Vinylogous TTF: A Potential Molecular Clip Triggered by Electron Transfer. <i>Journal of the American Chemical Society</i> , 2003, 125, 3159-3167. | 13.7 | 56 |
| 53 | Single Two-Electron Transfers vs Successive One-Electron Transfers in Polyconjugated Systems Illustrated by the Electrochemical Oxidation and Reduction of Carotenoids. <i>Journal of the American Chemical Society</i> , 2001, 123, 6669-6677. | 13.7 | 133 |
| 54 | Polymerization Mechanism of Di(benzylidene)tetrathiapentalenes into Linearly Extended TTF Polymers. <i>Journal of Physical Chemistry A</i> , 1999, 103, 11221-11226. | 2.5 | 8 |

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|----|--|------|-----------|
| 55 | pi-Dimer from Bithiophene Radical Cations. Investigation of Equilibrium Constants as a Function of Substituent Size and Supporting Electrolyte Using Fast Conversion Electrochemical Cells.. Acta Chemica Scandinavica, 1999, 53, 867-875. | 0.7 | 19 |
| 56 | Mechanism of Dimerization of 1,4-Dithiafulvenes into TTF Vinylogues. The Journal of Physical Chemistry, 1996, 100, 14823-14827. | 2.9 | 83 |
| 57 | Application of Laser Pulse Photoinjection of Electrons from Metal Electrodes to the Determination of Reduction Potentials of Organic Radicals in Aprotic Solvents. Journal of the American Chemical Society, 1995, 117, 1428-1434. | 13.7 | 37 |
| 58 | Fast kinetics by means of direct and indirect electrochemical techniques. Chemical Reviews, 1990, 90, 723-738. | 47.7 | 237 |
| 59 | Electron Transfer Kinetics in Ethaline/Water Mixtures. An apparent non-Marcus behavior in a Deep Eutectic Solvent.. ChemElectroChem, 0, , . | 3.4 | 2 |
| 60 | Electron Transfer Kinetics in Ethaline/Water Mixtures: An Apparent Non-Marcus Behavior in a Deep Eutectic Solvent. ChemElectroChem, 0, , . | 3.4 | 0 |