# Jean-Michel SavÃ©ant

List of Publications by Year
in descending order



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|---|---|---|---|
| 16 papers | 3,532 citations | 623734 14 h-index | 940533 16 g-index |
| 17 all docs | 17 docs citations | 17 times ranked | 4592 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Ohmic drop correction in electrochemical techniques. Multiple potential step chronoamperometry at the test bench. Energy Storage Materials, 2020, 24, 1-3. | 18.0 | 6 |
| 2 | Hydrogen and proton exchange at carbon. Imbalanced transition state and mechanism crossover. Chemical Science, 2020, 11, 1006-1010. | 7.4 | 19 |
| 3 | Energy storage: pseudocapacitance in prospect. Chemical Science, 2019, 10, 5656-5666. | 7.4 | 99 |
| 4 | Proton Relays in Molecular Catalysis of Electrochemical Reactions: Origin and Limitations of the Boosting Effect. Angewandte Chemie - International Edition, 2019, 58, 2125-2128. | 13.8 | 48 |
| 5 | Proton Relays in Molecular Catalysis of Electrochemical Reactions. Angewandte Chemie, 2018, 131, 2147. | 2.0 | 7 |
| 6 | How Do Pseudocapacitors Store Energy? Theoretical Analysis and Experimental Illustration. ACS Applied Materials & Interfaces, 2017, 9, 8649-8658. | 8.0 | 293 |
| 7 | Conduction and Reactivity in Heterogeneous-Molecular Catalysis: New Insights in Water Oxidation Catalysis by Phosphate Cobalt Oxide Films. Journal of the American Chemical Society, 2016, 138, 5615-5622. | 13.7 | 100 |
| 8 | Current Issues in Molecular Catalysis Illustrated by Iron Porphyrins as Catalysts of the CO<sub>2</sub>-to-CO Electrochemical Conversion. Accounts of Chemical Research, 2015, 48, 2996-3006. | 15.6 | 279 |
| 9 | Breaking Bonds with Electrons and Protons. Models and Examples. Accounts of Chemical Research, 2014, 47, 271-280. | 15.6 | 47 |
| 10 | Pendant Acidâ€“Base Groups in Molecular Catalysts: H-Bond Promoters or Proton Relays? Mechanisms of the Conversion of CO<sub>2</sub> to CO by Electrogenerated Iron(0)Porphyrins Bearing Prepositioned Phenol Functionalities. Journal of the American Chemical Society, 2014, 136, 11821-11829. | 13.7 | 209 |
| 11 | Ultraefficient homogeneous catalyst for the CO <sub>2</sub> -to-CO electrochemical conversion. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14990-14994. | 7.1 | 236 |
| 12 | Proton-Coupled Electron Transfer Cleavage of Heavy-Atom Bonds in Electrocatalytic Processes. Cleavage of a Câ€“O Bond in the Catalyzed Electrochemical Reduction of CO<sub>2</sub>. Journal of the American Chemical Society, 2013, 135, 9023-9031. | 13.7 | 209 |
| 13 | A Local Proton Source Enhances CO <sub>2</sub> Electroreduction to CO by a Molecular Fe Catalyst. Science, 2012, 338, 90-94. | 12.6 | 1,075 |
| 14 | Concerted Protonâ^'Electron Transfers: Electrochemical and Related Approaches. Accounts of Chemical Research, 2010, 43, 1019-1029. | 15.6 | 240 |
| 15 | Adiabatic and Non-adiabatic Concerted Protonâ^'Electron Transfers. Temperature Effects in the Oxidation of Intramolecularly Hydrogen-Bonded Phenols. Journal of the American Chemical Society, 2007, 129, 9953-9963. | 13.7 | 98 |
| 16 | Why Are Proton Transfers at Carbon Slow? Self-Exchange Reactions. Journal of the American Chemical Society, 2004, 126, 14787-14795. | 13.7 | 25 |