

List of Publications**(October 2020)****I. Publications in International Journals with Peer Review :****(Total :506)**

○ Journals with General Scope		: (108)	
• <i>Acc. Chem. Res.</i>	: 1	• <i>Isr. J. Chem.</i>	: 1
• <i>Acta Chem. Scand.</i>	: 2	• <i>J. Am. Chem. Soc.</i>	: 33
• <i>Angew. Chem.</i>	: 25	• <i>Nature, Scientific Reports</i>	: 2
• <i>Bull. Soc. Chim. Fr.</i>	: 1	• <i>Nature, Protocol Exchange</i>	: 1
• <i>Chem. Eur. J.</i>	: 23	• <i>New J. Chem.</i>	: 6
• <i>Chem. Commun. (reviews)</i>	: 2	• <i>Proc. Natl. Acad. Sci. USA</i>	: 1
• <i>Chem. Rev.</i>	: 1	• <i>Proc. Royal Soc. A</i>	: 1
• <i>Chem. Sc.</i>	: 2	• <i>RSC Adv.</i>	: 1
• <i>C.R. Acad. Sci. Paris.</i>	: 5	•	
○ Journals Specifically Focused on Analytical or Physical Chemistry		: (244)	
• <i>Analyst</i>	: 1	• <i>J. Electrochem. Soc.</i>	: 6
• <i>Anal. Chem.</i>	: 41	• <i>J. Mat. Chem. B</i>	: 1
• <i>Biomater. Sc.</i>	: 1	• <i>J. Photochem. Photobiol. A: Chem.</i>	: 1
• <i>Analisis</i>	: 1	• <i>J. Phys. Chem. (A or B)</i>	: 6
• <i>Chem. Phys.</i>	: 1	• <i>J. Phys. Condens. Matter</i>	: 1
• <i>ChemElectroChem</i>	: 8	• <i>J. Solid State Electrochem.</i>	: 1
• <i>ChemPhysChem</i>	: 23	• <i>Electrocatalysis</i>	: 1
• <i>Chem. Phys. Lett.</i>	: 1	• <i>Lab. Chip.</i>	: 1
• <i>Curr. Opin. Electrochem.</i>	: 4	• <i>Macromol. Chem. Phys.</i>	: 1
• <i>Electroanalysis</i>	: 3	• <i>Molecular Phys.</i>	: 1
• <i>Electrochim. Acta</i>	: 14	• <i>Nano Res.</i>	: 1
• <i>Electrochem. Commun.</i>	: 20	• <i>Nanotechnology</i>	: 1
• <i>Faraday Discuss.</i>	: 3	• <i>PCCP</i>	: 3
• <i>J. Appl. Electrochem.</i>	: 2	• <i>Port. Electrochim. Acta</i>	: 3
• <i>J. Chem. Phys.</i>	: 1	• <i>Russian J. Phys. Chem. A</i>	: 1
• <i>J. Electroanal. Chem.</i>	: 87	• <i>Russian J. Electrochem.</i>	: 2
• <i>J. Electrochemistry</i>	: 1	• <i>Trans. Electrochem. Soc.</i>	: 1
○ Journals Specifically Focused on Molecular or Material Chemistry		: (112)	
• <i>ACS Appl. Mat. & Interf.</i>	: 1	• <i>J. Fluorine Chem.</i>	: 4
• <i>ACS Appl. Energy Mater.</i>	: 1	• <i>J. Organomet. Chem.</i>	: 15
• <i>Adv. Synth. Catal.</i>	: 1	• <i>J. Org. Chem.</i>	: 9
• <i>Carbohydr. Res.</i>	: 1	• <i>Organometallics</i>	: 31
• <i>Coord. Chem. Rev.</i>	: 1	• <i>Polyhedron</i>	: 1
• <i>Eur. J. Inorg. Chem.</i>	: 10	• <i>RSC Adv.</i>	: 2
• <i>Eur. J. Org. Chem.</i>	: 3	• <i>RSC Dalton</i>	: 2
• <i>Inorg. Chem.</i>	: 5	• <i>Syn. Lett.</i>	: 2
• <i>Inorg. Chim. Acta</i>	: 23	• <i>Synthesis:</i>	: 2
• <i>J. Chem. Soc., Chem. Commun.</i>	: 8	• <i>Tetrahedron</i>	: 1
• <i>J. Chem. Soc., Dalton Trans.</i>	: 2	• <i>Tet. Lett.</i>	: 6
• <i>J. Chem. Soc., Perkin Trans. 2</i>	: 2	•	
○ Journals Specifically Focused on Biology and Medicine		: (29)	
• <i>Biomed. Pharm., AIDS Sc. Sec.</i>	: 1	• <i>ChemMedChem</i>	: 3
• <i>Biochim.</i>	: 1	• <i>Curr. Top. Med. Chem.</i>	: 1
• <i>Biochem. Biophys. Res. Commun.</i>	: 1	• <i>J. Med. Chem.</i>	: 1
• <i>Biophys. Chem.</i>	: 6	• <i>J. Neuroscience</i>	: 2
• <i>Biophys. J.</i>	: 2	• <i>J. Virology</i>	: 1
• <i>Carcinogenesis</i>	: 2	• <i>Math. Med. Biol.</i>	: 1
• <i>Cell Death and Differentiation</i>	: 1	• <i>Neuroscience</i>	: 1
• <i>ChemBioChem</i>	: 4	• <i>Quarter. Rev. Biophys.</i>	: 1
○ Journals Focused on Applied Mathematics		: (3)	
• <i>Nonlin. Anal. Model & Control</i>	: 3		
○ Journals with Peer Review but not included in the ISI Web of Knowledge database when published		: (10)	

II. Chapters and Collective Books :**(Total 28)****III. Diffusion of Scientific Information :****(Total 18)****IV. Filed patents :****(Total 6)**

I. Publications in International Journals with Peer Review.

1. ECE and Disproportionation. Part V. Stationary State General Solution. Application to Linear Sweep Voltammetry. C. Amatore, J.-M. Savéant. *J. Electroanal. Chem.*, **85**, **1977**, 27-46.
2. Do ECE Mechanisms Occur in Conditions Where They Could Be Characterized by Electrochemical Techniques? C. Amatore, J.-M. Savéant. *J. Electroanal. Chem.*, **86**, **1978**, 227-232.
3. Convolution and Finite Differences Approach. Application to Cyclic Voltammetry and Spectroelectrochemistry. C. Amatore, L. Nadjo, J.-M. Savéant. *J. Electroanal. Chem.*, **90**, **1978**, 321-331.
4. ECE and Disproportionation. Part VI. General Resolution. Application to Potential Step Chronoamperometry. C. Amatore, J.-M. Savéant. *J. Electroanal. Chem.*, **102**, **1979**, 21-40.
5. Electrochemically Induced Chemical Reactions. Kinetics of Competition with Electron Transfer. C. Amatore, J.-M. Savéant, A. Thiébaud. *J. Electroanal. Chem.*, **103**, **1979**, 303-320.
6. Electrochemically Induced Aromatic Nucleophilic Substitution in Liquid Ammonia. Competition with Electron Transfer. C. Amatore, J. Chaussard, J. Pinson, J.-M. Savéant, A. Thiébaud. *J. Am. Chem. Soc.*, **101**, **1979**, 6012-6020.
7. Electrochemical Hydrogenation of Aromatic Hydrocarbons. Discrimination between ECE and Disproportionation Mechanisms by Double Step Chronoamperometry. C. Amatore, J.-M. Savéant. *J. Electroanal. Chem.*, **107**, **1980**, 353-364.
8. Trace Crossing in Cyclic Voltammetry and Electrochemical Inducement of Chemical Reactions. Aromatic Nucleophilic Substitution. C. Amatore, J. Pinson, J.-M. Savéant, A. Thiébaud. *J. Electroanal. Chem.*, **107**, **1980**, 59-74.
9. Current Dips in Polarography and Cyclic Voltammetry Associated with Electrochemical Inducement of Chemical Reactions. Aromatic Nucleophilic Substitution. C. Amatore, J. Pinson, J.-M. Savéant, A. Thiébaud. *J. Electroanal. Chem.*, **107**, **1980**, 75-86.
10. ECE Reaction Pathways in the Electrochemical Reduction of Dicyanocobalamin. Kinetics of Ligand Substitution in Vitamin B_{12r} (Co[II]balamin). C. Amatore, D. Lexa, J.-M. Savéant. *J. Electroanal. Chem.*, **111**, **1980**, 81-89.
11. Product Distribution in Preparative Scale Electrolysis. I. Introduction. C. Amatore, J.-M. Savéant. *J. Electroanal. Chem.*, **123**, **1981**, 189-201.
12. Product Distribution in Preparative Scale Electrolysis. II. EC Reaction Schemes Followed by Competition between First Order Chemical Reaction and Further Electron Transfer. One Electron Systems. C. Amatore, J.-M. Savéant. *J. Electroanal. Chem.*, **123**, **1981**, 203-217.
13. Product Distribution in Preparative Scale Electrolysis. III. EC Reaction Schemes Followed by Competition between First Order Chemical Reaction and Further Electron Transfer. Two Electron Systems. C. Amatore, F. M'Halla, J.-M. Savéant. *J. Electroanal. Chem.*, **123**, **1981**, 219-229.
14. Product Distribution in Preparative Scale Electrolysis. IV. EC Reaction Schemes Followed by Competition between First Order Chemical Reaction and Further Electron Transfer. Electrocatalytic Systems. C. Amatore, J. Pinson, J.-M. Savéant, A. Thiébaud. *J. Electroanal. Chem.*, **123**, **1981**, 231-242.
15. Product Distribution in Preparative Scale Electrolysis. V. EC Reaction Schemes Followed by Competition between Dimerization and First Order Deactivation or Further Electron Transfer. C. Amatore, J.-M. Savéant. *J. Electroanal. Chem.*, **125**, **1981**, 1-21.
16. Product Distribution in Preparative Scale Electrolysis. VI. Competition between Dimerization and First Order Deactivation. C. Amatore, J.-M. Savéant. *J. Electroanal. Chem.*, **125**, **1981**, 23-39.
17. Product Distribution in Preparative Scale Electrolysis. VII. Competition at the Level of the First Electron Intermediate between Self-Coupling, Coupling with the Substrate and First Order Deactivation Followed by Further Electron Transfer. C. Amatore, J.-M. Savéant. *J. Electroanal. Chem.*, **126**, **1981**, 1-19.
18. Mechanism and Kinetic Characteristics of the Reduction of Carbon Dioxide in Media of Low Proton Availability. C. Amatore, J.-M. Savéant. *J. Am. Chem. Soc.*, **103**, **1981**, 5021-5023.

19. Electron Transfer Induced Reactions. Termination Steps and Efficiency of the Chain Process in $S_{RN}1$ Aromatic Substitution. C. Amatore, J. Pinson, J.-M. Savéant, A. Thiébault. *J. Am. Chem. Soc.*, **103**, **1981**, 6930-6937.
20. Electron Transfer Induced Reactions. Electrochemically Stimulated Aromatic Nucleophilic Substitution in Organic Solvents. C. Amatore, J. Pinson, J.-M. Savéant, A. Thiébault. *J. Am. Chem. Soc.*, **104**, **1982**, 817-826.
21. Hydrogen Atom Transfer Oxidation of Primary and Secondary Alcoholates into Aldehydes and Ketones by Aromatic Halides in Liquid Ammonia. A New Electrochemically Induceable Reaction. C. Amatore, J. Badoz-Lambling, C. Bonnel-Huyghes, J. Pinson, J.-M. Savéant, A. Thiébault. *J. Am. Chem. Soc.*, **104**, **1982**, 1979-1986.
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25. Kinetics of Electron Transfer to Organic Molecules at Solid Electrodes in Organic Media. C. Amatore, J.-M. Savéant, D. Tessier. *J. Electroanal. Chem.*, **146**, **1983**, 37-45.
26. Homogeneous vs. Heterogeneous Electron Transfer in Electrochemical Reactions. Application to the Electrohydrogenation of Anthracene and Related Reactions. C. Amatore, M. Gareil, J.-M. Savéant. *J. Electroanal. Chem.*, **147**, **1983**, 1-38.
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28. Competitive Pathways in the Electrochemical Reduction of Activated Olefins. Hydrogenation vs. Dimerization of Fumarodinitrile in Water. C. Amatore, R. Guidelli, M.R. Moncelli, J.-M. Savéant. *J. Electroanal. Chem.*, **148**, **1983**, 25-49.
29. Ligand Exchange of Metal Carbonyls by Chain Mechanisms. Electrochemical Kinetics of Electron Transfer Catalysis. J.W. Hersberger, C. Amatore, J.K. Kochi. *J. Organomet. Chem.*, **250**, **1983**, 345-371. [Invited paper ; 250th Special Issue].
30. Electrosynthesis of Hydridometal Carbonyls. Rapid Ligand Substitution in Transient Mn^0 Intermediates from the Reduction of Carbonylmanganese(I) Cations. B.A. Narayanan, C. Amatore, J.K. Kochi. *J. Chem. Soc., Chem. Commun.*, **1983**, 397-399.
31. Charge Transfer Excitation of Electron Donor-Acceptor Complexes. Direct Observation of Ion Pairs by Time-resolved Picosecond Spectroscopy. E.F. Hilinski, J.M. Masnovi, C. Amatore, J.K. Kochi, P.M. Rentzepis. *J. Am. Chem. Soc.*, **105**, **1983**, 6167-6168.
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36. Unusual Stabilization of Formylmetal Complexes. B.A. Narayanan, C. Amatore, J.K. Kochi. *Organometallics*, **3**, **1984**, 802-804.
37. Electron Transfer Induced Reactions. A Novel Approach Based on Electrochemical Redox Catalysis. Application to Aromatic Nucleophilic Substitution. C. Amatore, M.A. Oturan, J. Pinson, J.-M. Savéant, A. Thiébault. *J. Am. Chem. Soc.*, **106**, **1984**, 6318-6321.

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42. Kinetics and Mechanism of Self-Protonation Reactions in Organic Electrochemical Processes. C. Amatore, G. Capobianco, G. Farnia, G. Sandonà, J.M. Savéant, M.G. Severin, E. Vianello. *J. Am. Chem. Soc.*, **107**, **1985**, 1815-1824.
43. Kinetic Analysis of Reversible Electrodimerization Reactions by the Combined Use of Double Potential Step Chronoamperometry and Linear Sweep Voltammetry. Application to the Reduction of 9-Cyanoanthracene. C. Amatore, D. Garreau, M. Hammi, J. Pinson, J.M. Savéant. *J. Electroanal. Chem.*, **184**, **1985**, 1-24.
44. Electrochemically Induced Reactions: Kinetics of the Competition with Homogeneous Electron Transfer in Non-Catalytic Systems. Application to the Substitution of 4-Bromobenzophenone by Cyanide Ions in Liquid Ammonia. C. Amatore, J.M. Savéant, C. Combellas, S. Robveille, A. Thiébault. *J. Electroanal. Chem.*, **184**, **1985**, 25-40.
45. Nucleophile and Aryl Radical Reactivity in $S_{RN}1$ Aromatic Nucleophilic Substitution Reactions. Absolute and Relative Electrochemical Determination. C. Amatore, M.A. Oturan, J. Pinson, J.M. Savéant, A. Thiébault. *J. Am. Chem. Soc.*, **107**, **1985**, 3451-3459.
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50. Electrochemically Catalyzed Aromatic Nucleophilic Substitution. Reactivity of Cyanide Ions toward Aryl Radicals in Liquid Ammonia. C. Amatore, C. Combellas, S. Robveille, J.M. Savéant, A. Thiébault. *J. Am. Chem. Soc.*, **108**, **1986**, 4754-4760.
51. Electrochemically Induced Aromatic Nucleophilic Substitution. The 2-Nitropropane anion, a Powerful Nucleophile in $S_{RN}1$ Aromatic Substitution. C. Amatore, M. Gareil, M.A. Oturan, J. Pinson, J.M. Savéant, A. Thiébault. *J. Org. Chem.*, **51**, **1986**, 3757-3761.
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