

Raphael Nagao

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38 papers	672 citations	15 h-index	25 g-index
51 ext. papers	724 ext. citations	4.6 avg, IF	4.02 L-index

#	Paper	IF	Citations
38	Restoration of rhythmicity in diffusively coupled dynamical networks. <i>Nature Communications</i> , 2015 , 6, 7709	17.4	119
37	Temperature (over)compensation in an oscillatory surface reaction. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 4617-24	2.8	63
36	The dual pathway in action: decoupling parallel routes for CO ₂ production during the oscillatory electro-oxidation of methanol. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 8294-8	3.6	51
35	Stabilizing Nonstationary Electrochemical Time Series. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 22262-22685	3.8	51
34	Phase-selective entrainment of nonlinear oscillator ensembles. <i>Nature Communications</i> , 2016 , 7, 10788	17.4	47
33	Temperature effects on the oscillatory electro-oxidation of methanol on platinum. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 665-70	3.6	44
32	Influence of Anion Adsorption on the Parallel Reaction Pathways in the Oscillatory Electro-oxidation of Methanol. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 15098-15105	3.8	34
31	Mechanistic aspects of the linear stabilization of non-stationary electrochemical oscillations. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 1437-42	3.6	29
30	Restoring oscillatory behavior from amplitude death with anti-phase synchronization patterns in networks of electrochemical oscillations. <i>Chaos</i> , 2016 , 26, 094808	3.3	25
29	Production of Volatile Species during the Oscillatory Electro-oxidation of Small Organic Molecules. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 17699-17709	3.8	24
28	Coupled slow and fast surface dynamics in an electrocatalytic oscillator: model and simulations. <i>Journal of Chemical Physics</i> , 2014 , 141, 234701	3.9	24
27	Impact of the Alkali Cation on the Oscillatory Electro-Oxidation of Ethylene Glycol on Platinum. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 1464-1472	3.8	20
26	The electro-oxidation of ethylene glycol on platinum over a wide pH range: oscillations and temperature effects. <i>PLoS ONE</i> , 2013 , 8, e75086	3.7	20
25	Oscillatory Electro-oxidation of Methanol on Nanoarchitected Ptpc/Rh/Pt Metallic Multilayer. <i>ACS Catalysis</i> , 2015 , 5, 1045-1052	13.1	18
24	Turing patterns in the chlorine dioxide-iodine-malonic acid reaction with square spatial periodic forcing. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 6577-83	3.6	18
23	Multivariate statistical analysis of chemical and electrochemical oscillators for an accurate frequency selection. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 16423-16434	3.6	9
22	Investigation of the Oscillatory Electrodisolution of the Nickel-Iron Alloy. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 24087-24094	3.8	7

21	Forcing of Turing patterns in the chlorine dioxide-iodine-malonic acid reaction with strong visible light. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 9120-6	2.8	7
20	Nanogravimetric study of the complex voltammetric response in the electro-oxidation of methanol on platinum. <i>Electrochimica Acta</i> , 2009 , 55, 404-409	6.7	7
19	A numerical investigation of the effect of external resistance and applied potential on the distribution of periodicity and chaos in the anodic dissolution of nickel. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 21823-21834	3.6	7
18	Fronts and patterns in a spatially forced CDIMA reaction. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 26137-43	3.6	6
17	Modulation of Turing Patterns in the CDIMA Reaction by Ultraviolet and Visible Light. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 992-998	2.8	6
16	Quasiperiodic behavior in the electrodeposition of Cu/Sn multilayers: extraction of activation energies and wavelet analysis. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 21057-21063	3.6	5
15	Alkali Cation Effect During the Oscillatory Electroreduction of H ₂ O ₂ on Pt. <i>ChemistrySelect</i> , 2017 , 2, 11713-11716	1.8	5
14	Influence of the Ligands in Cu(II) Complexes on the Oscillatory Electrodeposition of Cu/Cu ₂ O. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 12559-12568	3.8	4
13	The electrosynthesis of gold(I) complexes: A clean, one-pot method. <i>Electrochemistry Communications</i> , 2020 , 110, 106620	5.1	4
12	Self-Organization in Electrochemical Synthesis as a Methodology towards New Materials. <i>ChemElectroChem</i> , 2020 , 7, 2979-3005	4.3	4
11	The role of HBF ₄ in electro-catalysis: Arsenic contamination and anion adsorption. <i>Journal of Electroanalytical Chemistry</i> , 2011 , 660, 147-152	4.1	3
10	Tuning Electrochemical Bistability by Surface Area Blocking in the Cathodic Deposition of Copper. <i>ACS Omega</i> , 2018 , 3, 13636-13646	3.9	3
9	Oscillatory ethylene glycol electrooxidation reaction on Pt in alkaline media: The effect of surface orientation. <i>Electrochimica Acta</i> , 2020 , 360, 136986	6.7	2
8	Thorough Analysis of the Effect of Temperature on the Electro-Oxidation of Formic Acid. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 24259-24270	3.8	2
7	Self-Organization in Electrochemical Synthesis as a Methodology towards New Materials. <i>ChemElectroChem</i> , 2020 , 7, 2938-2938	4.3	1
6	Elucidation of Reaction Mechanisms Far from Thermodynamic Equilibrium. <i>ChemistryOpen</i> , 2016 , 5, 164-173	7.3	1
5	Electrochemical Mass Spectrometry: Evolutions of the Cell Setup for On-line Investigation of Products and Screening of Electrocatalysts for Carbon Dioxide Reduction. <i>ChemElectroChem</i> ,	4.3	0
4	Reprint of: Reply to the Comment on the paper The role of HBF ₄ in electro-catalysis: Arsenic contamination and anion adsorption by A.L. Santos, R. Nagao, C.P. Oliveira, R.B. de Lima, H. Varela [J. Electroanal. Chem. 660 (2011) 147-152] <i>Journal of Electroanalytical Chemistry</i> , 2013 , 689, 318-319	4.1	

- 3 Reply to the Comment on the paper "The role of HBF₄ in electro-catalysis: Arsenic contamination and anion adsorption" by A.L. Santos, R. Nagao, C.P. Oliveira, R.B. de Lima, H. Varela [J. Electroanal. Chem. 660 (2011) 147-152] *Journal of Electroanalytical Chemistry*, **2012**, 687, 1-2 4.1
- 2 Seeking for Electrochemical Instabilities in Lithium-Oxygen Batteries Using Halides As Redox Mediator. *ECS Meeting Abstracts*, **2021**, MA2021-01, 1958-1958 0
- 1 Oscillatory Electrodeposition of Cu/Cu₂O: A Study on the Influence of Ligands in Cu(II) Complexes. *ECS Meeting Abstracts*, **2021**, MA2021-01, 1947-1947 0