

# Matthieu Raoux

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1816618/publications.pdf>

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13  
papers

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citations

1162367

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1199166

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#	ARTICLE	IF	CITATIONS
1	Slow potentials encode intercellular coupling and insulin demand in pancreatic beta cells. <i>Diabetologia</i> , 2015, 58, 1291-1299.	2.9	39
2	Guiding pancreatic beta cells to target electrodes in a whole-cell biosensor for diabetes. <i>Lab on a Chip</i> , 2015, 15, 3880-3890.	3.1	28
3	Simultaneous monitoring of single cell and of micro-organ activity by PEDOT:PSS covered multi-electrode arrays. <i>Materials Science and Engineering C</i> , 2017, 81, 84-89.	3.8	28
4	Non-invasive long-term and real-time analysis of endocrine cells on micro-electrode arrays. <i>Journal of Physiology</i> , 2012, 590, 1085-1091.	1.3	27
5	Vertical Organic Electrochemical Transistors and Electronics for Low Amplitude Micro-Organ Signals. <i>Advanced Science</i> , 2022, 9, e2105211.	5.6	22
6	Dynamic Uni- and Multicellular Patterns Encode Biphasic Activity in Pancreatic Islets. <i>Diabetes</i> , 2021, 70, 878-888.	0.3	18
7	Design of Potassium-Selective Mixed Ion/Electron Conducting Polymers. <i>Macromolecular Rapid Communications</i> , 2020, 41, e2000134.	2.0	12
8	The glutamate receptor GluK2 contributes to the regulation of glucose homeostasis and its deterioration during aging. <i>Molecular Metabolism</i> , 2019, 30, 152-160.	3.0	10
9	Sodium-Ion Selectivity Study of a Crown-Ether-Functionalized PEDOT Analog. <i>ChemElectroChem</i> , 2020, 7, 2826-2830.	1.7	10
10	Multimed: An Integrated, Multi-Application Platform for the Real-Time Recording and Sub-Millisecond Processing of Biosignals. <i>Sensors</i> , 2018, 18, 2099.	2.1	9
11	Integrating an Islet-Based Biosensor in the Artificial Pancreas: In Silico Proof-of-Concept. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 899-909.	2.5	4
12	Towards the Integration of an Islet-Based Biosensor in Closed-Loop Therapies for Patients With Type 1 Diabetes. <i>Frontiers in Endocrinology</i> , 2022, 13, 795225.	1.5	4
13	A versatile electrode sorting module for MEAs: Implementation in a FPGA-based real-time system. , 2017, , .		1