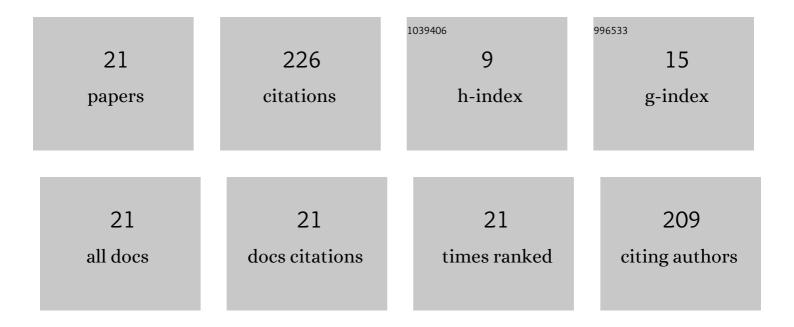
## Francisco Pasadas

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9092725/publications.pdf Version: 2024-02-01



FRANCISCO PASADAS

| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Compact Modeling Technology for the Simulation of Integrated Circuits Based on Graphene<br>Fieldâ€Effect Transistors. Advanced Materials, 2022, 34, e2201691.   | 11.1 | 19        |
| 2  | Sensitivity analysis of a Graphene Field-Effect Transistors by means of Design of Experiments.<br>Mathematics and Computers in Simulation, 2021, 183, 187-197.  | 2.4  | 11        |
| 3  | Compact Modeling of pH-Sensitive FETs Based on 2-D Semiconductors. IEEE Transactions on Electron Devices, 2021, 68, 5916-5919.  | 1.6  | 7         |
| 4  | Tolerance analysis of a GFET transistor for aerospace and aeronautical application. IOP Conference Series: Materials Science and Engineering, 2021, 1024, 012005.   | 0.3  | 5         |
| 5  | Multi-scale analysis of radio-frequency performance of 2D-material based field-effect transistors.<br>Nanoscale Advances, 2021, 3, 2377-2382.   | 2.2  | 4         |
| 6  | Unveiling the impact of the bias-dependent charge neutrality point on graphene based multi-transistor applications. Nano Express, 2021, 2, 036001.  | 1.2  | 4         |
| 7  | Does carrier velocity saturation help to enhance <i>f</i> <sub>max</sub> in graphene field-effect<br>transistors?. Nanoscale Advances, 2020, 2, 4179-4186.  | 2.2  | 4         |
| 8  | A Graphene Field-Effect Transistor Based Analogue Phase Shifter for High-Frequency Applications. IEEE<br>Access, 2020, 8, 209055-209063.  | 2.6  | 17        |
| 9  | Non-Quasi-Static Effects in Graphene Field-Effect Transistors Under High-Frequency Operation. IEEE<br>Transactions on Electron Devices, 2020, 67, 2188-2196.  | 1.6  | 7         |
| 10 | Numerical study of surface chemical reactions in 2D-FET based pH sensors. , 2020, , .   |      | 0         |
| 11 | Large-Signal Model of the Metal–Insulator–Graphene Diode Targeting RF Applications. IEEE Electron<br>Device Letters, 2019, 40, 1005-1008.   | 2.2  | 6         |
| 12 | GFET Asymmetric Transfer Response Analysis through Access Region Resistances. Nanomaterials, 2019,<br>9, 1027.  | 1.9  | 9         |
| 13 | Device-to-circuit modeling approach to Metal – Insulator – 2D material FETs targeting the design of<br>linear RF applications. , 2019, , .  |      | 1         |
| 14 | Erratum to "Large-Signal Model of Graphene Field-Effect Transistors—Part I: Compact Modeling of<br>GFET Intrinsic Capacitances―[Jul 16 2936-2941]. IEEE Transactions on Electron Devices, 2019, 66,<br>2459-2459. | 1.6  | 4         |
| 15 | Large-signal model of 2DFETs: compact modeling of terminal charges and intrinsic capacitances. Npj 2D<br>Materials and Applications, 2019, 3, .   | 3.9  | 15        |
| 16 | Radio Frequency Performance Projection and Stability Tradeoff of h-BN Encapsulated Graphene<br>Field-Effect Transistors. IEEE Transactions on Electron Devices, 2019, 66, 1567-1573.                              | 1.6  | 12        |
| 17 | Scaling of graphene field-effect transistors supported on hexagonal boron nitride: radio-frequency stability as a limiting factor. Nanotechnology, 2017, 28, 485203.  | 1.3  | 15        |
| 18 | Small-Signal Model for 2D-Material Based FETs Targeting Radio-Frequency Applications: The Importance of Considering Nonreciprocal Capacitances. IEEE Transactions on Electron Devices, 2017, 64, 4715-4723.       | 1.6  | 24        |

| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Large-Signal Model of Graphene Field- Effect Transistors—Part II: Circuit Performance Benchmarking.<br>IEEE Transactions on Electron Devices, 2016, 63, 2942-2947.               | 1.6 | 24        |
| 20 | Large-Signal Model of Graphene Field-Effect Transistors—Part I: Compact Modeling of GFET Intrinsic<br>Capacitances. IEEE Transactions on Electron Devices, 2016, 63, 2936-2941.  | 1.6 | 35        |
| 21 | Large-signal model of the bilayer graphene field-effect transistor targeting radio-frequency<br>applications: Theory versus experiment. Journal of Applied Physics, 2015, 118, . | 1.1 | 3         |