# Ibrahim M Elfadel

List of Publications by Year
in descending order

| | | |
|---|---|---|
| **9** <br> papers | **264** <br> citations | 1683934 <br> **5** <br> h-index |
| 1872570 <br> **6** <br> g-index | | |
| **9** <br> all docs | **9** <br> docs citations | **9** <br> times ranked |
| **209** <br> citing authors | | |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Stochastic Testing Method for Transistor-Level Uncertainty Quantification Based on Generalized Polynomial Chaos. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2013, 32, 1533-1545. | 1.9 | 152 |
| 2 | Large-Scale 3D Chips: Challenges and Solutions for Design Automation, Testing, and Trustworthy Integration. IPSJ Transactions on System LSI Design Methodology, 2017, 10, 45-62. | 0.5 | 35 |
| 3 | Structure of aura and co-occurrence matrices for the Gibbs texture model. Journal of Mathematical Imaging and Vision, 1992, 2, 5-25. | 0.8 | 30 |
| 4 | Efficient Uncertainty Quantification for the Periodic Steady State of Forced and Autonomous Circuits. IEEE Transactions on Circuits and Systems II: Express Briefs, 2013, 60, 687-691. | 2.2 | 17 |
| 5 | MEMS multi-vibrating ring gyroscope for space applications. Microsystem Technologies, 2020, 26, 2527-2533. | 1.2 | 16 |
| 6 | Mean-field phase transitions and correlation functions for Gibbs random fields. Journal of Mathematical Imaging and Vision, 1993, 3, 167-186. | 0.8 | 6 |
| 7 | <title>Miscibility matrices explain the behavior of gray-scale textures generated by Gibbs random fields</title>. , 1991, 1381, 524. | | 4 |
| 8 | MEMS gyroscope for miniaturized space attitude control system. , 2018, , . | | 3 |
| 9 | Compact modeling of microbatteries using behavioral linearization and model-order reduction. , 2015, , . | | 1 |