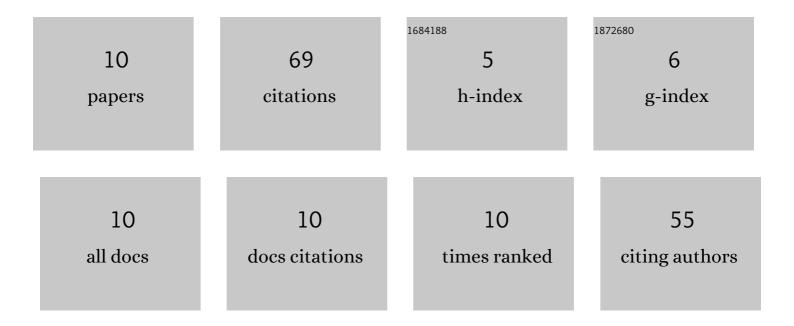
## Vivek Saraswat

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2007899/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Stochasticity invariance control in Pr <sub>1â^'x </sub> Ca <sub> x </sub> MnO <sub>3</sub> RRAM to enable large-scale stochastic recurrent neural networks. Neuromorphic Computing and Engineering, 2022, 2, 014001.	5.9	3
2	Quantum Tunneling Based Ultra-Compact and Energy Efficient Spiking Neuron Enables Hardware SNN. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 3212-3224.	5.4	9
3	Experimentally Validated Pr0.7Ca0.3MnO3 RRAM Verilog-A model based Izhikevich Neuronal Dynamics. , 2021, , .		0
4	Thermal Engineering of Volatile Switching in PrMnO3 RRAM: Non-Linearity in DC IV Characteristics and Transient Switching Speed. , 2020, , .		1
5	Reaction-Drift Model for Switching Transients in Prâ,€.â,‡Caâ,€.â,ƒMnOâ,ƒ-Based Resistive RAM. IEEE Transactior Electron Devices, 2020, 67, 3610-3617.	s on 3.0	11
6	n-Oscillator Neural Network based Efficient Cost Function for n-city Traveling Salesman Problem. , 2020, , .		1
7	Understanding the Region of Resistance Change in Pr <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> RRAM. ACS Applied Electronic Materials, 2020, 2, 2026-2031.	4.3	13
8	Pr x Ca 1 â^' x MnO 3 based stochastic neuron for Boltzmann machine to solve "maximum cut―problem. APL Materials, 2019, 7, .	5.1	16
9	A Compact PrMnO <inf>3</inf> Based Oscillator as an Alternative to CMOS Ring Oscillator in a Smart Temperature Sensor. , 2018, , .		0
10	Transient Joule Heating-Based Oscillator Neuron for Neuromorphic Computing. IEEE Electron Device Letters, 2018, 39, 1437-1440.	3.9	15