

Shaili Falina Mohd Sukri

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ten Years Progress of Electrical Detection of Heavy Metal Ions (HMIs) Using Various Field-Effect Transistor (FET) Nanosensors: A Review. <i>Biosensors</i> , 2021, 11, 478.	4.7	21
2	Role of Carboxyl and Amine Termination on a Boron-Doped Diamond Solution Gate Field Effect Transistor (SGFET) for pH Sensing. <i>Sensors</i> , 2018, 18, 2178.	3.8	13
3	Carboxyl-functionalized graphene SGFET: pH sensing mechanism and reliability of anodization. <i>Diamond and Related Materials</i> , 2019, 91, 15-21.	3.9	10
4	Threshold voltage control of electrolyte solution gate field-effect transistor by electrochemical oxidation. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	7
5	Over 59% mV/pH ~ 1 Sensitivity with Fluorocarbon Thin Film via Fluorine Termination for pH Sensing Using Boron-Doped Diamond Solution-Gate Field-Effect Transistors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2000278.	1.8	3
6	High Temperature Performance of Enhanced Endurance Hydrogen Terminated Transparent Polycrystalline Diamond FET. <i>IEEE Electron Device Letters</i> , 2022, 43, 1101-1104.	3.9	3
7	New Submicron Low Gate Leakage In _{0.52} Al _{0.48} As-In _{0.7} Ga _{0.3} As pHEMT for Low-Noise Applications. <i>Micromachines</i> , 2021, 12, 1497.	2.9	1
8	Feasibility Study of TiO ₂ Encapsulation of Diamond Solution-Gate Field-Effect Transistor Metal Contacts for Miniature Biosensor Applications. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 2000634.	1.8	0