

# Pradeep Kumar Maharana

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10511301/publications.pdf>

Version: 2024-02-01

11  
papers

756  
citations

1040056

9  
h-index

1474206

9  
g-index

11  
all docs

11  
docs citations

11  
times ranked

660  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chalcogenide prism and graphene multilayer based surface plasmon resonance affinity biosensor for high performance. Sensors and Actuators B: Chemical, 2012, 169, 161-166.	7.8	216
2	Sensitivity enhancement by air mediated graphene multilayer based surface plasmon resonance biosensor for near infrared. Sensors and Actuators B: Chemical, 2014, 190, 494-501.	7.8	121
3	On the electric field enhancement and performance of SPR gas sensor based on graphene for visible and near infrared. Sensors and Actuators B: Chemical, 2015, 207, 117-122.	7.8	102
4	On the Performance of Highly Sensitive and Accurate Graphene-on-Aluminum and Silicon-Based SPR Biosensor for Visible and Near Infrared. Plasmonics, 2014, 9, 1113-1120.	3.4	78
5	On the Field Enhancement and Performance of an Ultra-Stable SPR Biosensor Based on Graphene. IEEE Photonics Technology Letters, 2013, 25, 2156-2159.	2.5	71
6	Electric field enhancement in surface plasmon resonance bimetallic configuration based on chalcogenide prism. Journal of Applied Physics, 2013, 114, .	2.5	42
7	Ultrasensitive Plasmonic Imaging Sensor Based on Graphene and Silicon. IEEE Photonics Technology Letters, 2013, 25, 122-125.	2.5	42
8	Low index dielectric mediated surface plasmon resonance sensor based on graphene for near infrared measurements. Journal Physics D: Applied Physics, 2014, 47, 385102.	2.8	40
9	Dielectric over-layer assisted graphene, its oxide and MoS <sub>2</sub> -based fibre optic sensor with high field enhancement. Journal Physics D: Applied Physics, 2017, 50, 405112.	2.8	39
10	Enhancing performance of SPR sensor through electric field intensity enhancement using graphene. , 2013, , .		3
11	SURFACE PLASMON RESONANCE IMAGING BIOSENSOR BASED ON GRAPHENE MULTILAYER. , 2012, , .		2