

Jagmeet Singh Sekhon

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18
papers

372
citations

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h-index

19
g-index

20
ext. papers

428
ext. citations

2.1
avg, IF

3.98
L-index

#	Paper	IF	Citations
18	Refractive Index Sensitivity Analysis of Ag, Au, and Cu Nanoparticles. <i>Plasmonics</i> , 2011 , 6, 311-317	2.4	93
17	Scattering Efficiency and LSPR Tunability of Bimetallic Ag, Au, and Cu Nanoparticles. <i>Plasmonics</i> , 2014 , 9, 143-150	2.4	69
16	Voltage induced local hysteretic phase switching in silicon. <i>Applied Physics Letters</i> , 2014 , 104, 162908	3.4	38
15	Optimal Dimensions of Gold Nanorod for Plasmonic Nanosensors. <i>Plasmonics</i> , 2011 , 6, 163-169	2.4	30
14	DDA simulations of noble metal and alloy nanocubes for tunable optical properties in biological imaging and sensing. <i>RSC Advances</i> , 2013 , 3, 15427	3.7	27
13	Rational Selection of Nanorod Plasmons: Material, Size, and Shape Dependence Mechanism for Optical Sensors. <i>Plasmonics</i> , 2012 , 7, 453-459	2.4	22
12	Tunable plasmonic properties of silver nanorods for nanosensing applications. <i>Journal of Materials Science</i> , 2012 , 47, 1930-1937	4.3	17
11	Influence of aspect ratio and surrounding medium on Localized Surface Plasmon Resonance (LSPR) of gold nanorod. <i>Journal of Optics (India)</i> , 2012 , 41, 89-93	1.3	16
10	Tailoring Surface Plasmon Resonance Wavelengths and Sensoric Potential of CoreShell Metal Nanoparticles. <i>Sensor Letters</i> , 2013 , 11, 512-518	0.9	12
9	Ferroelectric-like response from the surface of SrTiO ₃ crystals at high temperatures. <i>Journal of Applied Physics</i> , 2014 , 116, 104903	2.5	10
8	Direct evidence of strong local ferroelectric ordering in a thermoelectric semiconductor. <i>Applied Physics Letters</i> , 2014 , 105, 113903	3.4	10
7	Enhanced photocurrent in thin-film GaAs solar cells with embedded Al nanoparticles. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020 , 42, 815-823	1.6	7
6	Controlling the LSPR properties of Au triangular nanoprisms and nanoboxes by geometrical parameter: a numerical investigation. <i>Journal of Modern Optics</i> , 2015 , 62, 435-440	1.1	6
5	Dimensional and compositional dependent analysis of plasmonic bimetallic nanorods. <i>Journal of Modern Optics</i> , 2015 , 62, 1665-1673	1.1	4
4	Cu Nanoparticle Plasmons to Enhance GaAs Solar Cell Efficiency 2016 ,		4
3	Plasmonic Effects of Al Nanoparticles Embedded and Non-embedded in Thin Film GaAs Solar Cells with Ta ₂ O ₅ Antireflective Coating. <i>Plasmonics</i> , 2021 , 16, 2091	2.4	3
2	Cu, CuO, and Cu ₂ O Nanoparticle Plasmons for Enhanced Scattering in Solar Cells 2011 ,		2

- 1 Facile Tuning and Refractive Index Sensitivity of Localized Surface Plasmon Resonance Inflection Points in Hollow Silver Nanoshells. *Plasmonics*, **2021**, 16, 283-292 2.4 2