G V Pavan Kumar

List of Publications by Year
in descending order

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		687363	526287
50	847	13	27
papers	citations	h-index	g-index

52	52	52	1295
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stacking Engineered Room Temperature Ferroelectricity in Twisted Germanium Sulfide Nanowires. Advanced Electronic Materials, 2022, 8, .	5.1	4
2	Directing monolayer tungsten disulfide photoluminescence using a bent-plasmonic nanowire on a mirror cavity. European Physical Journal: Special Topics, 2022, 231, 807-813.	2.6	3
3	Simultaneous Detection of Spin and Orbital Angular Momentum of Light through Scattering from a Single Silver Nanowire. Laser and Photonics Reviews, 2022, 16, .	8.7	4
4	Mirror-coupled microsphere can narrow the angular distribution of photoluminescence from WS2 monolayers. Applied Physics Letters, 2022, 120, .	3.3	2
5	Modal and wavelength conversions in plasmonic nanowires. Optics Express, 2021, 29, 15366.	3.4	6
6	Directional Emission from Tungsten Disulfide Monolayer Coupled to Plasmonic Nanowireâ€onâ€Mirror Cavity. Advanced Photonics Research, 2021, 2, 2100002.	3.6	8
7	Beaming Elastic and SERS Emission from Bent-Plasmonic Nanowire on a Mirror Cavity. Journal of Physical Chemistry Letters, 2021, 12, 6589-6595.	4.6	10
8	Modulation of trion and exciton formation in monolayer WS₂ by dielectric and substrate engineering. 2D Materials, 2021, 8, 045032.	4.4	3
9	Sub-wavelength plasmon polaritons channeling of whispering gallery modes of fluorescent silica microresonator. Materials Research Bulletin, 2021, 142, 111412.	5.2	1
10	Focused linearly-polarized-light scattering from a silver nanowire: Experimental characterization of the optical spin-Hall effect. Physical Review A, 2021, 103, .	2.5	5
11	Observation of photonic spin-momentum locking due to coupling of achiral metamaterials and quantum dots. Journal of Physics Condensed Matter, 2021, 33, 015701.	1.8	3
12	Mirror-enhanced directional out-coupling of SERS by remote excitation of a nanowire-nanoparticle cavity. Journal of Optics (United Kingdom), 2021, 23, 124001.	2.2	1
13	Experimental observation of transverse spin of plasmon polaritons in a single crystalline silver nanowire. Applied Physics Letters, 2021, 119, .	3.3	2
14	Optothermal pulling, trapping, and assembly of colloids using nanowire plasmons. Soft Matter, 2021, 17, 10903-10909.	2.7	5
15	Single Molecule Surface Enhanced Raman Scattering in a Single Gold Nanoparticle-Driven Thermoplasmonic Tweezer. Journal of Physical Chemistry Letters, 2021, 12, 11910-11918.	4.6	15
16	Wave-vector analysis of plasmon-assisted distributed nonlinear photoluminescence along Au nanowires. Physical Review B, 2020, 102, .	3.2	4
17	Selfâ€Assembled Helical Arrays for the Stabilization of the Triplet State. Angewandte Chemie - International Edition, 2020, 59, 13079-13085.	13.8	56
18	Selfâ€Assembled Helical Arrays for the Stabilization of the Triplet State. Angewandte Chemie, 2020, 132, 13179-13185.	2.0	38

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19	Dielectric Microsphere Coupled to a Plasmonic Nanowire: A Selfâ€Assembled Hybrid Optical Antenna. Advanced Optical Materials, 2020, 8, 1901672.	7.3	13
20	Large-scale optothermal assembly of colloids mediated by a gold microplate. Journal of Physics Condensed Matter, 2020, 32, 324002.	1.8	12
21	Wavevector distribution of metal photoluminescence from a gold film coupled microsphere antenna. Journal of Optics (United Kingdom), 2019, 21, 035002.	2.2	2
22	Momentumâ€Resolved Surface Enhanced Raman Scattering from a Nanowireâ€“Nanoparticle Junction Cavity. Advanced Optical Materials, 2019, 7, 1900304.	7.3	5
23	Spatial Distribution of the Nonlinear Photoluminescence in Au Nanowires. ACS Photonics, 2019, 6, 1240-1247.	6.6	12
24	V-shaped active plasmonic meta-polymers. Nanoscale, 2019, 11, 3799-3803.	5.6	7
25	Optical Orbital Angular Momentum Read-Out Using a Self-Assembled Plasmonic Nanowire. ACS Photonics, 2019, 6, 148-153.	6.6	12
26	Broad Band Single Germanium Nanowire Photodetectors with Surface Oxide-Controlled High Optical Gain. Journal of Physical Chemistry C, 2018, 122, 8564-8572.	3.1	32
27	Differential Wavevector Distribution of Surface-Enhanced Raman Scattering and Fluorescence in a Film-Coupled Plasmonic Nanowire Cavity. Nano Letters, 2018, 18, 650-655.	9.1	34
28	Vectorial Fluorescence Emission from Microsphere Coupled to Gold Mirror. Advanced Optical Materials, 2018, 6, 1801025.	7.3	16
29	Spin-Hall effect in the scattering of structured light from plasmonic nanowire. Optics Letters, 2018, 43, 2474.	3.3	11
30	Directional second-harmonic generation controlled by sub-wavelength facets of an organic mesowire. Applied Optics, 2018, 57, 5914.	1.8	5
31	Doughnut-shaped emission from vertical organic nanowire coupled to thin plasmonic film. Optics Letters, 2018, 43, 923.	3.3	2
32	Exciton Emission Intensity Modulation of Monolayer MoS2 via Au Plasmon Coupling. Scientific Reports, 2017, 7, 41175.	3.3	50
33	Radiative Channeling of Nanowire Frenkel Exciton Polaritons through Surface Plasmons. Advanced Optical Materials, 2017, 5, 1600873.	7.3	4
34	Angular emission from 1D and 2D meso- and nano-structures: Probed by dual-channel Fourier-plane microscopy. Optics Communications, 2017, 398, 112-121.	2.1	4
35	Special Section Guest Editorial: Plasmonics Systems and Applications. Optical Engineering, 2017, 56, 1.	1.0	2
36	Plasmon-controlled excitonic emission from vertically-tapered organic nanowires. Nanoscale, 2016, 8, 14803-14808.	5.6	7

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37	Directional exciton-polariton photoluminescence emission from terminals of a microsphere-coupled organic waveguide. Applied Physics Letters, 2016, 108, .	3.3	7
38	Optics of an individual organic molecular mesowire waveguide: directional light emission and anomalous refractive index. Journal of Optics (United Kingdom), 2016, 18, 065002.	2.2	10
39	Directional Fluorescence Emission Mediated by Chemically-Prepared Plasmonic Nanowire Junctions. Journal of Physical Chemistry C, 2016, 120, 17692-17698.	3.1	14
40	Large-scale dynamic assembly of metal nanostructures in plasmofluidic field. Faraday Discussions, 2016, 186, 95-106.	3.2	10
41	Directional out-coupling of light from a plasmonic nanowire-nanoparticle junction. Optics Letters, 2015, 40, 1006.	3.3	20
42	Subwavelength propagation and localization of light using surface plasmons: A brief perspective. Pramana - Journal of Physics, 2014, 82, 59-70.	1.8	2
43	Plasmofluidic single-molecule surface-enhanced Raman scattering from dynamic assembly of plasmonic nanoparticles. Nature Communications, 2014, 5, 4357.	12.8	145
44	Microsphere-coupled organic waveguides: Preparation, remote excitation of whispering gallery modes and waveguiding property. Applied Physics Letters, 2013, 103, .	3.3	14
45	Evanescent field-assisted intensity modulation of surface-enhanced Raman scattering from a single plasmonic nanowire. Journal Physics D: Applied Physics, 2013, 46, 195107.	2.8	5
46	Single-Molecule Surface-Enhanced Raman Scattering Sensitivity of Ag-Core Au-Shell Nanoparticles: Revealed by Bi-Analyte Method. Journal of Physical Chemistry Letters, 2013, 4, 1167-1171.	4.6	61
47	Dual-path remote-excitation surface enhanced Raman microscopy with plasmonic nanowire dimer. Applied Physics Letters, 2013, 103, 151114.	3.3	11
48	Remote-excitation surface-enhanced Raman scattering with counter-propagating plasmons: silver nanowire-nanoparticle system. Journal of Nanophotonics, 2013, 8, 083899.	1.0	13
49	Plasmonic nano-architectures for surface enhanced Raman scattering: a review. Journal of Nanophotonics, 2012, 6, 064503.	1.0	102
50	Plasmon assisted light propagation and Raman scattering hot-spot in end-to-end coupled silver nanowire pairs. Applied Physics Letters, 2012, 100, .	3.3	25