

G V Pavan Kumar

List of Publications by Year in descending order

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50
papers

847
citations

687363

13
h-index

526287

27
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52
all docs

52
docs citations

52
times ranked

1295
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmo-fluidic single-molecule surface-enhanced Raman scattering from dynamic assembly of plasmonic nanoparticles. <i>Nature Communications</i> , 2014, 5, 4357.	12.8	145
2	Plasmonic nano-architectures for surface enhanced Raman scattering: a review. <i>Journal of Nanophotonics</i> , 2012, 6, 064503.	1.0	102
3	Single-Molecule Surface-Enhanced Raman Scattering Sensitivity of Ag-Core Au-Shell Nanoparticles: Revealed by Bi-Analyte Method. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1167-1171.	4.6	61
4	Self-Assembled Helical Arrays for the Stabilization of the Triplet State. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13079-13085.	13.8	56
5	Exciton Emission Intensity Modulation of Monolayer MoS ₂ via Au Plasmon Coupling. <i>Scientific Reports</i> , 2017, 7, 41175.	3.3	50
6	Self-Assembled Helical Arrays for the Stabilization of the Triplet State. <i>Angewandte Chemie</i> , 2020, 132, 13179-13185.	2.0	38
7	Differential Wavevector Distribution of Surface-Enhanced Raman Scattering and Fluorescence in a Film-Coupled Plasmonic Nanowire Cavity. <i>Nano Letters</i> , 2018, 18, 650-655.	9.1	34
8	Broad Band Single Germanium Nanowire Photodetectors with Surface Oxide-Controlled High Optical Gain. <i>Journal of Physical Chemistry C</i> , 2018, 122, 8564-8572.	3.1	32
9	Plasmon assisted light propagation and Raman scattering hot-spot in end-to-end coupled silver nanowire pairs. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	25
10	Directional out-coupling of light from a plasmonic nanowire-nanoparticle junction. <i>Optics Letters</i> , 2015, 40, 1006.	3.3	20
11	Vectorial Fluorescence Emission from Microsphere Coupled to Gold Mirror. <i>Advanced Optical Materials</i> , 2018, 6, 1801025.	7.3	16
12	Single Molecule Surface Enhanced Raman Scattering in a Single Gold Nanoparticle-Driven Thermoplasmonic Tweezer. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11910-11918.	4.6	15
13	Microsphere-coupled organic waveguides: Preparation, remote excitation of whispering gallery modes and waveguiding property. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	14
14	Directional Fluorescence Emission Mediated by Chemically-Prepared Plasmonic Nanowire Junctions. <i>Journal of Physical Chemistry C</i> , 2016, 120, 17692-17698.	3.1	14
15	Remote-excitation surface-enhanced Raman scattering with counter-propagating plasmons: silver nanowire-nanoparticle system. <i>Journal of Nanophotonics</i> , 2013, 8, 083899.	1.0	13
16	Dielectric Microsphere Coupled to a Plasmonic Nanowire: A Self-Assembled Hybrid Optical Antenna. <i>Advanced Optical Materials</i> , 2020, 8, 1901672.	7.3	13
17	Spatial Distribution of the Nonlinear Photoluminescence in Au Nanowires. <i>ACS Photonics</i> , 2019, 6, 1240-1247.	6.6	12
18	Optical Orbital Angular Momentum Read-Out Using a Self-Assembled Plasmonic Nanowire. <i>ACS Photonics</i> , 2019, 6, 148-153.	6.6	12

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19	Large-scale optothermal assembly of colloids mediated by a gold microplate. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 324002.	1.8	12
20	Dual-path remote-excitation surface enhanced Raman microscopy with plasmonic nanowire dimer. <i>Applied Physics Letters</i> , 2013, 103, 151114.	3.3	11
21	Spin-Hall effect in the scattering of structured light from plasmonic nanowire. <i>Optics Letters</i> , 2018, 43, 2474.	3.3	11
22	Optics of an individual organic molecular mesowire waveguide: directional light emission and anomalous refractive index. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 065002.	2.2	10
23	Large-scale dynamic assembly of metal nanostructures in plasmofluidic field. <i>Faraday Discussions</i> , 2016, 186, 95-106.	3.2	10
24	Beaming Elastic and SERS Emission from Bent-Plasmonic Nanowire on a Mirror Cavity. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6589-6595.	4.6	10
25	Directional Emission from Tungsten Disulfide Monolayer Coupled to Plasmonic Nanowire on a Mirror Cavity. <i>Advanced Photonics Research</i> , 2021, 2, 2100002.	3.6	8
26	Plasmon-controlled excitonic emission from vertically-tapered organic nanowires. <i>Nanoscale</i> , 2016, 8, 14803-14808.	5.6	7
27	Directional exciton-polariton photoluminescence emission from terminals of a microsphere-coupled organic waveguide. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	7
28	V-shaped active plasmonic meta-polymers. <i>Nanoscale</i> , 2019, 11, 3799-3803.	5.6	7
29	Modal and wavelength conversions in plasmonic nanowires. <i>Optics Express</i> , 2021, 29, 15366.	3.4	6
30	Evanescence field-assisted intensity modulation of surface-enhanced Raman scattering from a single plasmonic nanowire. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 195107.	2.8	5
31	Directional second-harmonic generation controlled by sub-wavelength facets of an organic mesowire. <i>Applied Optics</i> , 2018, 57, 5914.	1.8	5
32	Momentum-Resolved Surface Enhanced Raman Scattering from a Nanowire-Nanoparticle Junction Cavity. <i>Advanced Optical Materials</i> , 2019, 7, 1900304.	7.3	5
33	Focused linearly-polarized-light scattering from a silver nanowire: Experimental characterization of the optical spin-Hall effect. <i>Physical Review A</i> , 2021, 103, .	2.5	5
34	Optothermal pulling, trapping, and assembly of colloids using nanowire plasmons. <i>Soft Matter</i> , 2021, 17, 10903-10909.	2.7	5
35	Radiative Channeling of Nanowire Frenkel Exciton Polaritons through Surface Plasmons. <i>Advanced Optical Materials</i> , 2017, 5, 1600873.	7.3	4
36	Angular emission from 1D and 2D meso- and nano-structures: Probed by dual-channel Fourier-plane microscopy. <i>Optics Communications</i> , 2017, 398, 112-121.	2.1	4

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37	Wave-vector analysis of plasmon-assisted distributed nonlinear photoluminescence along Au nanowires. <i>Physical Review B</i> , 2020, 102, .	3.2	4
38	Stacking Engineered Room Temperature Ferroelectricity in Twisted Germanium Sulfide Nanowires. <i>Advanced Electronic Materials</i> , 2022, 8, .	5.1	4
39	Simultaneous Detection of Spin and Orbital Angular Momentum of Light through Scattering from a Single Silver Nanowire. <i>Laser and Photonics Reviews</i> , 2022, 16, .	8.7	4
40	Modulation of trion and exciton formation in monolayer WS ₂ by dielectric and substrate engineering. <i>2D Materials</i> , 2021, 8, 045032.	4.4	3
41	Observation of photonic spin-momentum locking due to coupling of achiral metamaterials and quantum dots. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 015701.	1.8	3
42	Directing monolayer tungsten disulfide photoluminescence using a bent-plasmonic nanowire on a mirror cavity. <i>European Physical Journal: Special Topics</i> , 2022, 231, 807-813.	2.6	3
43	Subwavelength propagation and localization of light using surface plasmons: A brief perspective. <i>Pramana - Journal of Physics</i> , 2014, 82, 59-70.	1.8	2
44	Doughnut-shaped emission from vertical organic nanowire coupled to thin plasmonic film. <i>Optics Letters</i> , 2018, 43, 923.	3.3	2
45	Wavevector distribution of metal photoluminescence from a gold film coupled microsphere antenna. <i>Journal of Optics (United Kingdom)</i> , 2019, 21, 035002.	2.2	2
46	Special Section Guest Editorial: Plasmonics Systems and Applications. <i>Optical Engineering</i> , 2017, 56, 1.	1.0	2
47	Experimental observation of transverse spin of plasmon polaritons in a single crystalline silver nanowire. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	2
48	Mirror-coupled microsphere can narrow the angular distribution of photoluminescence from WS ₂ monolayers. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	2
49	Sub-wavelength plasmon polaritons channeling of whispering gallery modes of fluorescent silica microresonator. <i>Materials Research Bulletin</i> , 2021, 142, 111412.	5.2	1
50	Mirror-enhanced directional out-coupling of SERS by remote excitation of a nanowire-nanoparticle cavity. <i>Journal of Optics (United Kingdom)</i> , 2021, 23, 124001.	2.2	1