

Patrick M Vora

List of Publications by Year in Descending Order

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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.

34
papers

1,898
citations

15
h-index

38
g-index

38
ext. papers

2,153
ext. citations

9.3
avg. IF

4.43
L-index

#	Paper	IF	Citations
34	Charge density wave activated excitons in TiSe ₂ /MoSe ₂ heterostructures. <i>APL Materials</i> , 2022 , 10, 011103	3.7	1
33	Assessing the Needs of the Quantum Industry. <i>IEEE Transactions on Education</i> , 2022 , 1-10	2.1	0
32	Spin reorientation in antiferromagnetic DyFeCoO double perovskite. <i>Journal of Physics Condensed Matter</i> , 2021 , 33, 025802	1.8	1
31	DNA Origami Chromophore Scaffold Exploiting HomoFRET Energy Transport to Create Molecular Photonic Wires. <i>ACS Applied Nano Materials</i> , 2020 , 3, 3323-3336	5.6	7
30	Phonons and excitons in ZrSe ₂ /rS ₂ alloys. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 5732-5743	7.1	11
29	Localized Excitons in NbSe-MoSe Heterostructures. <i>ACS Nano</i> , 2020 , 14, 8528-8538	16.7	6
28	Valley phenomena in the candidate phase change material WSe ₂ (1-x)Te _{2x} . <i>Communications Physics</i> , 2020 , 3,	5.4	3
27	Chemical vapor transport synthesis, characterization and compositional tuning of ZrS _x Se _{2-x} for optoelectronic applications. <i>Journal of Crystal Growth</i> , 2020 , 542, 125609	1.6	4
26	Valley phenomena in the candidate phase change material WSeTe. <i>Communications Physics</i> , 2020 , 3,	5.4	1
25	Growth Kinetics and Atomistic Mechanisms of Native Oxidation of ZrSSe and MoS Crystals. <i>Nano Letters</i> , 2020 , 20, 8592-8599	11.5	6
24	Short-range charge density wave order in 2H-TaS ₂ . <i>Physical Review B</i> , 2019 , 99,	3.3	17
23	Strong coupling of a quantum dot molecule to a photonic crystal cavity. <i>Physical Review B</i> , 2019 , 99,	3.3	5
22	Probing the origin of lateral heterogeneities in synthetic monolayer molybdenum disulfide. <i>2D Materials</i> , 2019 , 6, 025008	5.9	2
21	2D Materials: Tuning the Electronic and Photonic Properties of Monolayer MoS ₂ via In Situ Rhenium Substitutional Doping (Adv. Funct. Mater. 16/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870105	15.6	1
20	Tuning the Electronic and Photonic Properties of Monolayer MoS ₂ via In Situ Rhenium Substitutional Doping. <i>Advanced Functional Materials</i> , 2018 , 28, 1706950	15.6	85
19	Increased Transfer Efficiency from Molecular Photonic Wires on Solid Substrates and Cryogenic Conditions. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 3654-3659	6.4	8
18	The structural phases and vibrational properties of MoWTe alloys. <i>2D Materials</i> , 2017 , 4,	5.9	49

17	Optical spectroscopy of site-controlled quantum dots in a Schottky diode. <i>Applied Physics Letters</i> , 2016 , 108, 233102	3.4	4
16	Quantum point contacts and resistive switching in Ni/NiO nanowire junctions. <i>Applied Physics Letters</i> , 2016 , 109, 203101	3.4	9
15	Phonon anharmonicity in bulk Td-MoTe ₂ . <i>Applied Physics Letters</i> , 2016 , 109, 031903	3.4	21
14	Characterization of Few-Layer 1TLMoTe by Polarization-Resolved Second Harmonic Generation and Raman Scattering. <i>ACS Nano</i> , 2016 , 10, 9626-9636	16.7	104
13	Spin-cavity interactions between a quantum dot molecule and a photonic crystal cavity. <i>Nature Communications</i> , 2015 , 6, 7665	17.4	38
12	Ultrafast electron trapping in ligand-exchanged quantum dot assemblies. <i>ACS Nano</i> , 2015 , 9, 1440-7	16.7	14
11	Cavity-stimulated Raman emission from a single quantum dot spin. <i>Nature Photonics</i> , 2014 , 8, 442-447	33.9	53
10	Leveraging crystal anisotropy for deterministic growth of InAs quantum dots with narrow optical linewidths. <i>Nano Letters</i> , 2013 , 13, 4870-5	11.5	21
9	Influence of probe pressure on the diffuse correlation spectroscopy blood flow signal: extra-cerebral contributions. <i>Biomedical Optics Express</i> , 2013 , 4, 978-94	3.5	38
8	Calculation of the chirality-dependent orbital magnetic anisotropy in doped semiconducting single-walled carbon nanotubes. <i>Carbon</i> , 2012 , 50, 771-777	10.4	1
7	Resistive Switching in Bulk Silver Nanowire/Polystyrene Composites. <i>Advanced Functional Materials</i> , 2011 , 21, 233-240	15.6	60
6	Correlating magnetotransport and diamagnetism of sp ² -bonded carbon networks through the metal-insulator transition. <i>Physical Review B</i> , 2011 , 84,	3.3	25
5	Binary nanocrystal superlattice membranes self-assembled at the liquid-air interface. <i>Nature</i> , 2010 , 466, 474-7	50.4	661
4	Temperature-Dependent Resistive Switching in Bulk Silver Nanowire/Polystyrene Composites. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 22106-22112	3.8	15
3	Chirality dependence of the K-momentum dark excitons in carbon nanotubes. <i>Physical Review B</i> , 2010 , 81,	3.3	26
2	Electrical Percolation Behavior in Silver Nanowire/Polystyrene Composites: Simulation and Experiment. <i>Advanced Functional Materials</i> , 2010 , 20, 2709-2716	15.6	147
1	Photoluminescence and band gap modulation in graphene oxide. <i>Applied Physics Letters</i> , 2009 , 94, 111909	3.4	453