

# Susobhan Das

## List of Publications by Year in descending order

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39  
papers

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citations

623188

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676716

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docs citations

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times ranked

719  
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing Electronic States in Monolayer Semiconductors through Static and Transient Third-Harmonic Spectroscopies. <i>Advanced Materials</i> , 2022, 34, e2107104.	11.1	10
2	Switchable Photoresponse Mechanisms Implemented in Single van der Waals Semiconductor/Metal Heterostructure. <i>ACS Nano</i> , 2022, 16, 568-576.	7.3	29
3	Engineering the Dipole Orientation and Symmetry Breaking with Mixed-Dimensional Heterostructures. <i>Advanced Science</i> , 2022, 9, e2200082.	5.6	8
4	On-chip photonics and optoelectronics with a van der Waals material dielectric platform. <i>Nanoscale</i> , 2022, 14, 9459-9465.	2.8	4
5	Inducing Strong Light-Matter Coupling and Optical Anisotropy in Monolayer MoS <sub>2</sub> with High Refractive Index Nanowire. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 31140-31147.	4.0	4
6	Coherent modulation of chiral nonlinear optics with crystal symmetry. <i>Light: Science and Applications</i> , 2022, 11, .	7.7	18
7	Luminescent Gold Nanocluster-Methylcellulose Composite Optical Fibers with Low Attenuation Coefficient and High Photostability. <i>Small</i> , 2021, 17, e2005205.	5.2	25
8	Broadband Four-Wave Mixing Enhancement in 2D Transition-Metal Dichalcogenides Using Plasmonic Structures. , 2021, , .		0
9	Broadband Plasmon-Enhanced Four-Wave Mixing in Monolayer MoS <sub>2</sub> . <i>Nano Letters</i> , 2021, 21, 6321-6327.	4.5	20
10	Giant All-Optical Modulation of Second-Harmonic Generation Mediated by Dark Excitons. <i>ACS Photonics</i> , 2021, 8, 2320-2328.	3.2	11
11	Single-step chemical vapour deposition of anti-pyramid MoS <sub>2</sub> /WS <sub>2</sub> vertical heterostructures. <i>Nanoscale</i> , 2021, 13, 4537-4542.	2.8	17
12	Ultrafast transient sub-bandgap absorption of monolayer MoS <sub>2</sub> . <i>Light: Science and Applications</i> , 2021, 10, 27.	7.7	32
13	Difference frequency generation in monolayer MoS <sub>2</sub> . <i>Nanoscale</i> , 2020, 12, 19638-19643.	2.8	14
14	Electrical Control of Interband Resonant Nonlinear Optics in Monolayer MoS <sub>2</sub> . <i>ACS Nano</i> , 2020, 14, 8442-8448.	7.3	34
15	Laser-induced elastic wave classification: thermoelastic versus ablative regimes for all-optical elastography applications. <i>Journal of Biomedical Optics</i> , 2020, 25, 1.	1.4	10
16	Longitudinal elastic wave imaging using nanobomb optical coherence elastography: erratum. <i>Optics Letters</i> , 2020, 45, 3296.	1.7	2
17	Wavelength-dependent third-harmonic generation in monolayer MoS <sub>2</sub> . , 2020, , .		0
18	Assessing colitis ex vivo using optical coherence elastography in a murine model. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 1429-1440.	1.1	13

#	ARTICLE	IF	CITATIONS
19	All-optically controlled slow and fast lights in graphene-coated tilted fiber Bragg grating. Applied Physics Express, 2019, 12, 072010.	1.1	5
20	Longitudinal elastic wave imaging using nanobomb optical coherence elastography. Optics Letters, 2019, 44, 3162.	1.7	18
21	Differentiation of murine colon pathology by optical and mechanical contrast using optical coherence tomography and elastography. , 2019, , .		1
22	An analytical model of laser-induced dynamic thermoelastic deformation of the viscoelastic half-space (Conference Presentation). , 2019, , .		1
23	Longitudinal elastic wave imaging using nanobomb optical coherence elastography (Conference) Tj ETQq1 1 0.784314 rgBT (Overlock		1
24	Detecting murine Inflammatory Bowel Disease using Optical Coherence Elastography. , 2018, 2018, 830-833.		3
25	Tunable hyperbolic photonic devices based on periodic structures of graphene and HfO <sub>2</sub> . Journal of the Optical Society of America B: Optical Physics, 2018, 35, 2616.	0.9	3
26	Multidrug salt forms of norfloxacin with non-steroidal anti-inflammatory drugs: solubility and membrane permeability studies. CrystEngComm, 2018, 20, 6420-6429.	1.3	23
27	Modified wavelength scanning interferometry for simultaneous tomography and topography of the cornea with Fourier domain optical coherence tomography. Biomedical Optics Express, 2018, 9, 4443.	1.5	11
28	Nanobomb optical coherence elastography. Optics Letters, 2018, 43, 2006.	1.7	27
29	Comparison between thermoelastic and ablative induced elastic waves in soft media using ultra-fast line-field low coherent holography. , 2018, , .		0
30	Optical elastography using dye nanoparticles (Conference Presentation). , 2018, , .		1
31	Quantitative analysis of surface enhanced Raman spectroscopy of Rhodamine 6G using a composite graphene and plasmonic Au nanoparticle substrate. Carbon, 2017, 111, 386-392.	5.4	63
32	Nanophotonic modal dichroism: mode-multiplexed modulators. Optics Letters, 2016, 41, 4394.	1.7	13
33	Direct observation of bulk second-harmonic generation inside a glass slide with tightly focused optical fields. Physical Review B, 2016, 93, .	1.1	4
34	All-optical short pulse translation through cross-phase modulation in a VO <sub>2</sub> thin film. Optics Letters, 2016, 41, 238.	1.7	1
35	Simulation of the Impact of Si Shell Thickness on the Performance of Si-Coated Vertically Aligned Carbon Nanofiber as Li-Ion Battery Anode. Nanomaterials, 2015, 5, 2268-2278.	1.9	4
36	Complex refractive index tunability of graphene at 1550 nm wavelength. Applied Physics Letters, 2015, 106, 031109.	1.5	52

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37	Near-infrared electro-optic modulator based on plasmonic graphene. Optics Letters, 2015, 40, 1516.	1.7	35
38	Triple-core collinear and noncollinear plasmonic photonic crystal fiber couplers. Applied Optics, 2013, 52, 8199.	0.9	4
39	Theory and Design of Off-Axis Microring Resonators for High-Density On-Chip Photonic Applications. Journal of Lightwave Technology, 2013, 31, 3976-3986.	2.7	14