

# Susobhan Das

## List of Publications by Year in descending order

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39  
papers

534  
citations

623188

14  
h-index

676716

22  
g-index

39  
all docs

39  
docs citations

39  
times ranked

719  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Complex refractive index tunability of graphene at 1550nm wavelength. Applied Physics Letters, 2015, 106, 031109.	1.5	52
3	Near-infrared electro-optic modulator based on plasmonic graphene. Optics Letters, 2015, 40, 1516.	1.7	35
4	Electrical Control of Interband Resonant Nonlinear Optics in Monolayer MoS <sub>2</sub> . ACS Nano, 2020, 14, 8442-8448.	7.3	34
5	Ultrafast transient sub-bandgap absorption of monolayer MoS <sub>2</sub> . Light: Science and Applications, 2021, 10, 27.	7.7	32
6	Switchable Photoresponse Mechanisms Implemented in Single van der Waals Semiconductor/Metal Heterostructure. ACS Nano, 2022, 16, 568-576.	7.3	29
7	Nanobomb optical coherence elastography. Optics Letters, 2018, 43, 2006.	1.7	27
8	Luminescent Gold Nanocluster-Methylcellulose Composite Optical Fibers with Low Attenuation Coefficient and High Photostability. Small, 2021, 17, e2005205.	5.2	25
9	Multidrug salt forms of norfloxacin with non-steroidal anti-inflammatory drugs: solubility and membrane permeability studies. CrystEngComm, 2018, 20, 6420-6429.	1.3	23
10	Broadband Plasmon-Enhanced Four-Wave Mixing in Monolayer MoS <sub>2</sub> . Nano Letters, 2021, 21, 6321-6327.	4.5	20
11	Longitudinal elastic wave imaging using nanobomb optical coherence elastography. Optics Letters, 2019, 44, 3162.	1.7	18
12	Coherent modulation of chiral nonlinear optics with crystal symmetry. Light: Science and Applications, 2022, 11, .	7.7	18
13	Single-step chemical vapour deposition of anti-pyramid MoS <sub>2</sub> /WS <sub>2</sub> vertical heterostructures. Nanoscale, 2021, 13, 4537-4542.	2.8	17
14	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
15	Difference frequency generation in monolayer MoS <sub>2</sub> . Nanoscale, 2020, 12, 19638-19643.	2.8	14
16	Nanophotonic modal dichroism: mode-multiplexed modulators. Optics Letters, 2016, 41, 4394.	1.7	13
17	Assessing colitis ex vivo using optical coherence elastography in a murine model. Quantitative Imaging in Medicine and Surgery, 2019, 9, 1429-1440.	1.1	13
18	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

#	ARTICLE	IF	CITATIONS
19	Giant All-Optical Modulation of Second-Harmonic Generation Mediated by Dark Excitons. ACS Photonics, 2021, 8, 2320-2328.	3.2	11
20	Laser-induced elastic wave classification: thermoelastic versus ablative regimes for all-optical elastography applications. Journal of Biomedical Optics, 2020, 25, 1.	1.4	10
21	Probing Electronic States in Monolayer Semiconductors through Static and Transient Third-Harmonic Spectroscopies. Advanced Materials, 2022, 34, e2107104.	11.1	10
22	Engineering the Dipole Orientation and Symmetry Breaking with Mixed-Dimensional Heterostructures. Advanced Science, 2022, 9, e2200082.	5.6	8
23	All-optically controlled slow and fast lights in graphene-coated tilted fiber Bragg grating. Applied Physics Express, 2019, 12, 072010.	1.1	5
24	Triple-core collinear and noncollinear plasmonic photonic crystal fiber couplers. Applied Optics, 2013, 52, 8199.	0.9	4
25	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
26	Direct observation of bulk second-harmonic generation inside a glass slide with tightly focused optical fields. Physical Review B, 2016, 93, .	1.1	4
27	On-chip photonics and optoelectronics with a van der Waals material dielectric platform. Nanoscale, 2022, 14, 9459-9465.	2.8	4
28	Inducing Strong Light-Matter Coupling and Optical Anisotropy in Monolayer MoS <sub>2</sub> with High Refractive Index Nanowire. ACS Applied Materials & Interfaces, 2022, 14, 31140-31147.	4.0	4
29	Detecting murine Inflammatory Bowel Disease using Optical Coherence Elastography. , 2018, 2018, 830-833.		3
30	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
31	Longitudinal elastic wave imaging using nanobomb optical coherence elastography: erratum. Optics Letters, 2020, 45, 3296.	1.7	2
32	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
33	Optical elastography using dye nanoparticles (Conference Presentation). , 2018, , .		1
34	Differentiation of murine colon pathology by optical and mechanical contrast using optical coherence tomography and elastography. , 2019, , .		1
35	An analytical model of laser-induced dynamic thermoelastic deformation of the viscoelastic half-space (Conference Presentation). , 2019, , .		1
36	Broadband Four-Wave Mixing Enhancement in 2D Transition-Metal Dichalcogenides Using Plasmonic Structures. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
37	Comparison between thermoelastic and ablative induced elastic waves in soft media using ultra-fast line-field low coherent holography. , 2018, , .		0
38	Longitudinal elastic wave imaging using nanobomb optical coherence elastography (Conference) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7		0
39	Wavelength-dependent third-harmonic generation in monolayer MoS2. , 2020, , .		0