

# Edbert J Sie

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,961  
citations

516710

16  
h-index

580821

25  
g-index

27  
all docs

27  
docs citations

27  
times ranked

3471  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a Monte Carlo-wave model to simulate time domain diffuse correlation spectroscopy measurements from first principles. Journal of Biomedical Optics, 2022, 27, .	2.6	8
2	Choosing an optimal wavelength to detect brain activity in functional near-infrared spectroscopy. Optics Letters, 2021, 46, 924.	3.3	3
3	Phonoritons as Hybridized Exciton-Photon-Phonon Excitations in a Monolayer $h$ -BN Optical Cavity. Physical Review Letters, 2021, 126, 227401.	7.8	18
4	Measuring neuronal activity with diffuse correlation spectroscopy: a theoretical investigation. Neurophotonics, 2021, 8, 035004.	3.3	11
5	Role of Equilibrium Fluctuations in Light-Induced Order. Physical Review Letters, 2021, 127, 227401.	7.8	16
6	Light-induced charge density wave in LaTe3. Nature Physics, 2020, 16, 159-163.	16.7	157
7	Berry curvature memory through electrically driven stacking transitions. Nature Physics, 2020, 16, 1028-1034.	16.7	100
8	High resolution time- and angle-resolved photoemission spectroscopy with 11 eV laser pulses. Review of Scientific Instruments, 2020, 91, 043102.	1.3	32
9	High-sensitivity multispeckle diffuse correlation spectroscopy. Neurophotonics, 2020, 7, 035010.	3.3	30
10	10.1063/1.5139556.1., 2020, , .		0
11	Time-resolved ARPES with tunable 24 eV laser pulses at 30 meV resolution. Nature Communications, 2019, 10, 3535.	12.8	69
12	An ultrafast symmetry switch in a Weyl semimetal. Nature, 2019, 565, 61-66.	27.8	307
13	Evidence for topological defects in a photoinduced phase transition. Nature Physics, 2019, 15, 27-31.	16.7	128
14	Coherent Light-Matter Interactions in Monolayer Transition-Metal Dichalcogenides. Springer Theses, 2018, , .	0.1	9
15	Large, Valley-Exclusive Bloch-Siegert Shift in Monolayer WS <sub>2</sub> . Springer Theses, 2018, , 77-92.	0.1	0
16	Large, valley-exclusive Bloch-Siegert shift in monolayer WS <sub>2</sub> . Science, 2017, 355, 1066-1069.	12.6	102
17	Origin of the exciton mass in the frustrated Mott insulator Na <sub>2</sub> IrO <sub>3</sub> . Physical Review B, 2017, 96, .	3.2	5
18	Observation of Intervalley Biexcitonic Optical Stark Effect in Monolayer WS <sub>2</sub> . Nano Letters, 2016, 16, 7421-7426.	9.1	49

#	ARTICLE	IF	CITATIONS
19	Optical Stark effect in 2D semiconductors. Proceedings of SPIE, 2016, , .	0.8	6
20	Intervalley biexcitons and many-body effects in monolayer $\text{MoS}_2$ . Physical Review B, 2015, 92, .	6.0	26
21	Valley-selective optical Stark effect in monolayer $\text{WS}_2$ . Nature Materials, 2015, 14, 290-294.	27.5	479
22	Tuning the influence of metal nanoparticles on ZnO photoluminescence by atomic-layer-deposited dielectric spacer. Nanophotonics, 2013, 2, 153-160.	6.0	26
23	Carrier Dynamics in Polymer Nanofiber: Fullerene Solar Cells. Journal of Physical Chemistry C, 2012, 116, 18015-18022.	3.1	25
24	Charge transfer dynamics in Cu-doped ZnO nanowires. Applied Physics Letters, 2011, 98, .	3.3	55
25	Dynamics of Bound Exciton Complexes in CdS Nanobelts. ACS Nano, 2011, 5, 3660-3669.	14.6	132
26	Nanoparticle fractionation using an aligned carbon nanotube array. Nanotechnology, 2010, 21, 295702.	2.6	2
27	ZnCdO/ZnO Coaxial Multiple Quantum Well Nanowire Heterostructures and Optical Properties. Journal of Physical Chemistry C, 2010, 114, 3863-3868.	3.1	31