

# George Kioseoglou

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

2,505  
citations

471509

17  
h-index

454955

30  
g-index

34  
all docs

34  
docs citations

34  
times ranked

3594  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient electrical spin injection from a magnetic metal/tunnel barrier contact into a semiconductor. Applied Physics Letters, 2002, 80, 1240-1242.	3.3	633
2	Analysis of the transport process providing spin injection through an Fe/AlGaAs Schottky barrier. Applied Physics Letters, 2003, 82, 4092-4094.	3.3	335
3	Measurement of high exciton binding energy in the monolayer transition-metal dichalcogenides WS <sub>2</sub> and WSe <sub>2</sub> . Solid State Communications, 2015, 203, 16-20.	1.9	263
4	Valley polarization and intervalley scattering in monolayer MoS <sub>2</sub> . Applied Physics Letters, 2012, 101, 221907.	3.3	251
5	Efficient and Highly Air Stable Planar Inverted Perovskite Solar Cells with Reduced Graphene Oxide Doped PCBM Electron Transporting Layer. Advanced Energy Materials, 2017, 7, 1602120.	19.5	188
6	Extending the Continuous Operating Lifetime of Perovskite Solar Cells with a Molybdenum Disulfide Hole Extraction Interlayer. Advanced Energy Materials, 2018, 8, 1702287.	19.5	121
7	Optical polarization and intervalley scattering in single layers of MoS <sub>2</sub> and MoSe <sub>2</sub> . Scientific Reports, 2016, 6, 25041.	3.3	102
8	A high surface area ordered mesoporous BiFeO <sub>3</sub> semiconductor with efficient water oxidation activity. Journal of Materials Chemistry A, 2015, 3, 1587-1593.	10.3	87
9	Magnetoluminescence and valley polarized state of a two-dimensional electron gas in WS <sub>2</sub> monolayers. Nature Nanotechnology, 2015, 10, 603-607.	31.5	82
10	Optical control of charged exciton states in tungsten disulfide. Applied Physics Letters, 2015, 106, .	3.3	72
11	Anomalous temperature-dependent spin-valley polarization in monolayer WS <sub>2</sub> . Scientific Reports, 2016, 6, 18885.	3.3	57
12	Room temperature observation of biexcitons in exfoliated WS <sub>2</sub> monolayers. Applied Physics Letters, 2017, 110, .	3.3	54
13	Ultrahigh-resolution nonlinear optical imaging of the armchair orientation in 2D transition metal dichalcogenides. Light: Science and Applications, 2018, 7, 18005-18005.	16.6	53
14	Twist Angle mapping in layered WS <sub>2</sub> by Polarization-Resolved Second Harmonic Generation. Scientific Reports, 2019, 9, 14285.	3.3	31
15	Prominent room temperature valley polarization in WS <sub>2</sub> /graphene heterostructures grown by chemical vapor deposition. Applied Physics Letters, 2020, 116, .	3.3	25
16	Intershell Exchange and Sequential Electrically Injected Spin Populations of InAs Quantum-Dot Shell States. Physical Review Letters, 2008, 101, 227203.	7.8	23
17	Spatial non-uniformity in exfoliated WS <sub>2</sub> single layers. Nanoscale, 2016, 8, 16197-16203.	5.6	22
18	Photoluminescence and reflectance studies of negatively charged excitons in GaAs/Al <sub>0.3</sub> Ga <sub>0.7</sub> As quantum-well structures. Physical Review B, 2000, 61, 4780-4785.	3.2	13

#	ARTICLE	IF	CITATIONS
19	Spatially selective reversible charge carrier density tuning in WS <sub>2</sub> monolayers via photochlorination. 2D Materials, 2019, 6, 015003.	4.4	13
20	Probing valley population imbalance in transition metal dichalcogenides via temperature-dependent second harmonic generation imaging. Npj 2D Materials and Applications, 2021, 5, .	7.9	12
21	Spin effects in MoS <sub>2</sub> and WS <sub>2</sub> single layers. Physica Status Solidi - Rapid Research Letters, 2016, 10, 111-119.	2.4	9
22	Optical polarization of excitons and trions under continuous and pulsed excitation in single layers of WSe <sub>2</sub> . Nanoscale, 2017, 9, 17422-17428.	5.6	9
23	Tuning the valley polarization in WS <sub>2</sub> monolayers via control of active defect sites induced by photochemical doping. Applied Physics Letters, 2021, 118, .	3.3	9
24	Vapor Phase Synthesis of II-IV Semiconductor Nanoparticles in a Counterflow Jet Reactor. Materials Research Society Symposia Proceedings, 2000, 616, 41.	0.1	8
25	Spin Light Emitting Diodes. Journal of Low Temperature Physics, 2012, 169, 324-337.	1.4	7
26	Real-time spatially resolved determination of twist angle in transition metal dichalcogenide heterobilayers. 2D Materials, 2021, 8, 015015.	4.4	7
27	Nonlinear Optical Imaging of In-Plane Anisotropy in Two-Dimensional SnS. Advanced Optical Materials, 2022, 10, .	7.3	7
28	Optical versus electron diffraction imaging of Twist-angle in 2D transition metal dichalcogenide bilayers. Npj 2D Materials and Applications, 2021, 5, .	7.9	6
29	Spin-polarized multiexcitons in quantum dots in the presence of spin-orbit interaction. Physical Review B, 2011, 84, .	3.2	3
30	Highly polarized emission from electrical spin injection into an InGaAs quantum well with free carriers. Applied Physics Letters, 2013, 103, .	3.3	3
31	Electrical Spin Injection into InGaAs Quantum Dots. , 2015, , 1-27.		0
32	Electrical Spin Injection into InGaAs Quantum Dots. , 2016, , 399-430.		0
33	Spatial nonuniformity of excitonic properties in exfoliated WS <sub>2</sub> monolayers. , 2017, , .		0
34	Nonlinear Optical Imaging of In-Plane Anisotropy in Two-Dimensional SnS (Advanced Optical Materials) Tj ETQq0.0 0 rgBT/Overlock	7.3	0