

# Teguh C Asmara

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

634  
citations

623734

14  
h-index

610901

24  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1117  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms of charge transfer and redistribution in LaAlO <sub>3</sub> /SrTiO <sub>3</sub> revealed by high-energy optical conductivity. Nature Communications, 2014, 5, 3663.	12.8	70
2	Electron transport and visible light absorption in a plasmonic photocatalyst based on strontium niobate. Nature Communications, 2017, 8, 15070.	12.8	64
3	Tunable optical absorption and interactions in graphene via oxygen plasma. Physical Review B, 2014, 89, .	3.2	42
4	Tunable and low-loss correlated plasmons in Mott-like insulating oxides. Nature Communications, 2017, 8, 15271.	12.8	42
5	Interplay of electronic reconstructions, surface oxygen vacancies, and lattice distortions in insulator-metal transition of LaAlO <sub>3</sub> /SrTiO <sub>3</sub> . Physical Review B, 2015, 92, .	3.2	38
6	Tuning the Interface Conductivity of LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Using Ion Beams: Implications for Patterning. ACS Nano, 2013, 7, 10572-10581.	14.6	34
7	Electronic defect states at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> heterointerface revealed by O K-edge X-ray absorption spectroscopy. Physical Chemistry Chemical Physics, 2016, 18, 13844-13851.	2.8	29
8	Anomalous excitons and screenings unveiling strong electronic correlations in SrTiO <sub>3</sub> /NbO <sub>2</sub> . Physical Review B, 2015, 92, .	3.2	25
9	The Mechanism of Electrolyte Gating on High-T <sub>c</sub> Cuprates: The Role of Oxygen Migration and Electrostatics. ACS Nano, 2017, 11, 9950-9956.	14.6	21
10	Cationic vacancies and anomalous spectral-weight transfer in Ta-doped SrTiO <sub>3</sub> . Physical Review B, 2018, 98, .	3.2	20
11	Optical and electronic structure of quasi-freestanding multilayer graphene on the carbon face of SiC. Europhysics Letters, 2014, 108, 37009.	3.2	20
12	Generation of multiple plasmons in strontium niobates mediated by local field effects. Physical Review B, 2018, 98, .	3.2	20
13	Self-consistent iteration procedure in analyzing reflectivity and spectroscopic ellipsometry data of multilayered materials and their interfaces. Review of Scientific Instruments, 2014, 85, 123116.	1.3	17
14	Large Enhancement of 2D Electron Gases Mobility Induced by Interfacial Localized Electron Screening Effect. Advanced Materials, 2018, 30, e1707428.	21.0	17
15	Emerging giant resonant exciton induced by Ta substitution in anatase TiO <sub>2</sub> : A tunable correlation effect. Physical Review B, 2016, 93, .	3.2	16
16	Temperature-dependent and anisotropic optical response of layered PrCaMnO <sub>5</sub> . Physical Review B, 2016, 93, .	3.2	13
17	Optical and electronic structure of quasi-freestanding multilayer graphene on the carbon face of SiC. Europhysics Letters, 2014, 108, 37009.	2.0	13
18	Coexistence of Midgap Antiferromagnetic and Mott States in Undoped, Hole- and Electron-Doped Ambipolar Cuprates. Physical Review Letters, 2016, 116, 197002.	7.8	13

#	ARTICLE	IF	CITATIONS
19	Quasilocals plasmons in the insulator-metal transition in the Mott-type perovskites $E_u < B > > 0.3$	3.2	13
20	Large spectral weight transfer in optical conductivity of SrTiO <sub>3</sub> induced by intrinsic vacancies. Journal of Applied Physics, 2014, 115, 213706.	2.5	12
21	Direct Observation of Room-Temperature Stable Magnetism in LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Heterostructures. ACS Applied Materials & Interfaces, 2018, 10, 9774-9781.	8.0	12
22	Uniaxial pressure induced stripe order rotation in La <sub>1.88</sub> Sr <sub>0.12</sub> CuO <sub>4</sub> . Nature Communications, 2022, 13, 1795.	12.8	12
23	Quantum Correlated Plasmons and Their Tunability in Undoped and Doped Mott-Insulator Cuprates. ACS Photonics, 2019, 6, 3281-3289.	6.6	9
24	Unravelling strong electronic interlayer and intralayer correlations in a transition metal dichalcogenide. Nature Communications, 2021, 12, 6980.	12.8	9
25	Structural and Electronic Transport Properties of Fluorographene Directly Grown on Silicates for Possible Biosensor Applications. ACS Applied Nano Materials, 2020, 3, 5399-5409.	5.0	8
26	Modulation of New Excitons in Transition Metal Dichalcogenide-Perovskite Oxide System. Advanced Science, 2019, 6, 1900446.	11.2	6
27	Effect of Oxygen Plasma on the Optical Properties of Monolayer Graphene. Advanced Materials Research, 0, 896, 510-513.	0.3	5
28	Comparison of Typical Photocatalytic Systems with Intrinsic Plasmonic Photocatalysts Based on Strontium Niobate for Water Splitting. Energy Technology, 2018, 6, 60-71.	3.8	5
29	Spin Correlated-Plasmons at Room Temperature Driven by Electronic Correlations in Lead-Free 2D Hybrid Organic-Inorganic Perovskites. Journal of Physical Chemistry C, 2020, 124, 14272-14278.	3.1	5
30	Long-ranged Cu-based order with $d_{z^2}$ orbital character at a YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> /manganite interface. Npj Quantum Materials, 2021, 6, .	5.2	5
31	Origin of quasilocals plasmons in Nb-substituted EuTiO <sub>3</sub> . Physical Review B, 2019, 100, .	3.2	4
32	Excitons: Modulation of New Excitons in Transition Metal Dichalcogenide-Perovskite Oxide System (Adv. Sci. 12/2019). Advanced Science, 2019, 6, 1970073.	11.2	3
33	Photoinduced metastable dd-exciton-driven metal-insulator transitions in quasi-one-dimensional transition metal oxides. Communications Physics, 2020, 3, .	5.3	3
34	Cascade of Spin-State Transitions in the Intermetallic Marcasite FeP <sub>2</sub> . Chemistry of Materials, 2022, 34, 2025-2033.	6.7	3
35	Role of hybridization and on-site correlations in generating plasmons in strongly correlated $La_{2-x}Sr_xTi_2O_{7-x}$	3.2	2
36	Optical Properties of Bacteriorhodopsin-Gold Bionano Interfaces. Journal of Physical Chemistry C, 2019, 123, 26516-26521.	3.1	1

#	ARTICLE	IF	CITATIONS
37	Probing Biophysicochemical Interactions at Nano-Bio Interface of Perovskite Tandem Biosolar Cells. Biophysical Journal, 2019, 116, 577a.	0.5	1
38	Design, fabrication, and characterisation of wire grid polarizers for the deep UV spectral range. , 2018, , .		1
39	Nanoscale dielectric grating polarizers tuned to 443â€¦eV for ultraviolet polarimetry. Optics Express, 2020, 28, 12936.	3.4	1