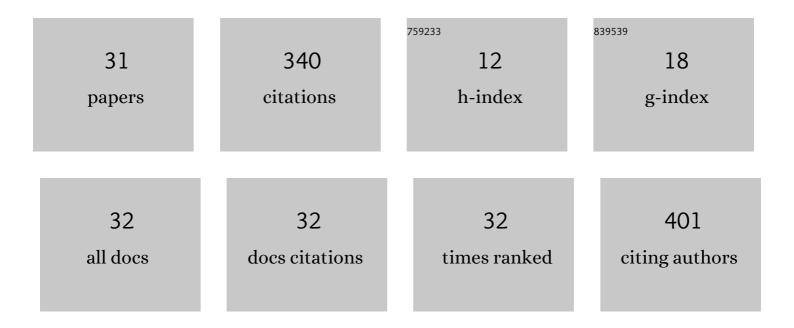
## Arpana Agrawal

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Green miniaturized technologies in analytical and bioanalytical chemistry. TrAC - Trends in Analytical Chemistry, 2021, 143, 116383.	11.4	51
2	Valence and conduction band offset measurements in Ni0.07Zn0.930/ZnO heterostructure. Current Applied Physics, 2014, 14, 171-175.	2.4	33
3	Vertical ZnO Nanotube Transistor on a Graphene Film for Flexible Inorganic Electronics. Small, 2018, 14, e1800240.	10.0	25
4	Anomalous band bowing in pulsed laser deposited Mg Zn1â^'O films. Journal of Crystal Growth, 2013, 384, 9-12.	1.5	19
5	Transport and magnetotransport study of Mg doped ZnO thin films. Journal of Applied Physics, 2014, 115, .	2.5	19
6	Study of nonlinear optical properties of pure and Mg-doped ZnO films. Physica Status Solidi (B): Basic Research, 2015, 252, 1848-1853.	1.5	19
7	Type I and type II band alignments in ZnO/MgZnO bilayer films. Applied Physics Letters, 2014, 105, .	3.3	17
8	Electrical and magnetic transport properties of undoped and Ni doped ZnO thin films. Thin Solid Films, 2015, 589, 817-821.	1.8	17
9	Insight into the effect of screw dislocations and oxygen vacancy defects on the optical nonlinear refraction response in chemically grown ZnO/Al2O3 films. Journal of Applied Physics, 2017, 122, .	2.5	17
10	Thermo-optic coefficients of pure and Ni doped ZnO thin films. Thin Solid Films, 2016, 603, 115-118.	1.8	16
11	Negative thermo-optic coefficients and optical limiting response in pulsed laser deposited Mg-doped ZnO thin films. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 2015.	2.1	15
12	Unraveling absorptive and refractive optical nonlinearities in CVD grown graphene layers transferred onto a foreign quartz substrate. Applied Surface Science, 2020, 505, 144392.	6.1	14
13	Effect of oxygen partial pressure on the structural and optical properties of ion beam sputtered TiO2 thin films. Thin Solid Films, 2016, 619, 86-90.	1.8	13
14	Sample pretreatment with graphene materials. Comprehensive Analytical Chemistry, 2020, , 21-47.	1.3	11
15	Effects of oxygen partial pressure and annealing on dispersive optical nonlinearity in NiO thin films. Journal of Applied Physics, 2017, 122, .	2.5	8
16	Magnetic field induced changes in linear and nonlinear optical properties of Ti incorporated Cr 2 O 3 nanostructured thin film. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 860-864.	2.1	8
17	Magnetically tuned absorptive optical nonlinearity in NiO thin films. Optical Materials, 2018, 84, 893-898.	3.6	8
18	Weak ferromagnetism at room temperature in Ti incorporated Cr2O3 thin film. Physica B: Condensed Matter, 2019, 571, 36-40.	2.7	7

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#	Article	IF	CITATIONS
19	Database on the nonlinear optical properties of graphene based materials. Data in Brief, 2020, 28, 105049.	1.0	7
20	Qualitative analysis of growth mechanism of polycrystalline InAs thin films grown by molecular beam epitaxy. Applied Surface Science, 2018, 462, 81-85.	6.1	5
21	Greenness of lab-on-a-chip devices for analytical processes: Advances & future prospects. Journal of Pharmaceutical and Biomedical Analysis, 2022, 219, 114914.	2.8	4
22	Scaling study of molecular beam epitaxy grown InAs/Al2O3 films using atomic force microscopy. Thin Solid Films, 2020, 709, 138204.	1.8	3
23	Band offset studies in Cr2O3/Ti0.02Cr1.98O3 bilayer film using photoelectron spectroscopy. Physica B: Condensed Matter, 2020, 599, 412590.	2.7	2
24	Weak localization effect in pulsed laser deposited ZnO film. Journal of Physics: Conference Series, 2014, 534, 012042.	0.4	1
25	Qualitative Analysis of the Valence and Conduction Band Offset Parameters in FeNiO/CuNiO Bilayer Film Using Xâ€Ray Photoelectron Spectroscopy. Physica Status Solidi (B): Basic Research, 2022, 259, 2100132.	1.5	1
26	Nonlinear absorption coefficient of pulsed laser deposited MgZnO thin film. AIP Conference Proceedings, 2015, , .	0.4	0
27	Role of Ni doping on transport properties of ZnO thin films. AIP Conference Proceedings, 2015, , .	0.4	0
28	Effect of oxygen partial pressure on the structural and optical properties of ion beam sputtered TiO <sub>2</sub> thin films. Journal of Physics: Conference Series, 2016, 755, 012053.	0.4	0
29	Effect of annealing on the optical properties of the ion beam sputtered NiO thin film. AIP Conference Proceedings, 2017, , .	0.4	0
30	Nonlinear optical responses of magnetron sputtered TiO2 thin film. AIP Conference Proceedings, 2019,	0.4	0
31	Isothermal Hall effect studies in pulsed laser deposited Ni incorporated ZnO thin film. AIP Conference Proceedings, 2020, , .	0.4	0