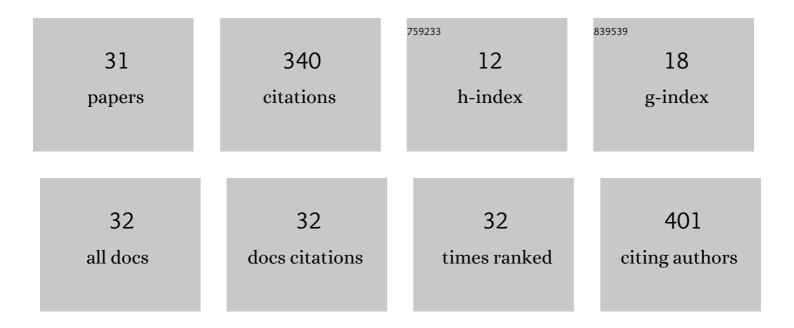
## Arpana Agrawal

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	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
2	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
3	Green miniaturized technologies in analytical and bioanalytical chemistry. TrAC - Trends in Analytical Chemistry, 2021, 143, 116383.	11.4	51
4	Database on the nonlinear optical properties of graphene based materials. Data in Brief, 2020, 28, 105049.	1.0	7
5	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
6	Band offset studies in Cr2O3/Ti0.02Cr1.98O3 bilayer film using photoelectron spectroscopy. Physica B: Condensed Matter, 2020, 599, 412590.	2.7	2
7	Isothermal Hall effect studies in pulsed laser deposited Ni incorporated ZnO thin film. AIP Conference Proceedings, 2020, , .	0.4	0
8	Sample pretreatment with graphene materials. Comprehensive Analytical Chemistry, 2020, , 21-47.	1.3	11
9	Scaling study of molecular beam epitaxy grown InAs/Al2O3 films using atomic force microscopy. Thin Solid Films, 2020, 709, 138204.	1.8	3
10	Nonlinear optical responses of magnetron sputtered TiO2 thin film. AIP Conference Proceedings, 2019,	0.4	0
11	Weak ferromagnetism at room temperature in Ti incorporated Cr2O3 thin film. Physica B: Condensed Matter, 2019, 571, 36-40.	2.7	7
12	Vertical ZnO Nanotube Transistor on a Graphene Film for Flexible Inorganic Electronics. Small, 2018, 14, e1800240.	10.0	25
13	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
14	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
15	Magnetically tuned absorptive optical nonlinearity in NiO thin films. Optical Materials, 2018, 84, 893-898.	3.6	8
16	Effect of annealing on the optical properties of the ion beam sputtered NiO thin film. AIP Conference Proceedings, 2017, , .	0.4	0
17	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
18	Effects of oxygen partial pressure and annealing on dispersive optical nonlinearity in NiO thin films. Journal of Applied Physics, 2017, 122, .	2.5	8

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#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	Thermo-optic coefficients of pure and Ni doped ZnO thin films. Thin Solid Films, 2016, 603, 115-118.	1.8	16
23	Nonlinear absorption coefficient of pulsed laser deposited MgZnO thin film. AIP Conference Proceedings, 2015, , .	0.4	0
24	Role of Ni doping on transport properties of ZnO thin films. AIP Conference Proceedings, 2015, , .	0.4	0
25	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
26	Electrical and magnetic transport properties of undoped and Ni doped ZnO thin films. Thin Solid Films, 2015, 589, 817-821.	1.8	17
27	Valence and conduction band offset measurements in Ni0.07Zn0.930/ZnO heterostructure. Current Applied Physics, 2014, 14, 171-175.	2.4	33
28	Transport and magnetotransport study of Mg doped ZnO thin films. Journal of Applied Physics, 2014, 115, .	2.5	19
29	Type I and type II band alignments in ZnO/MgZnO bilayer films. Applied Physics Letters, 2014, 105, .	3.3	17
30	Weak localization effect in pulsed laser deposited ZnO film. Journal of Physics: Conference Series, 2014, 534, 012042.	0.4	1
31	Anomalous band bowing in pulsed laser deposited Mg Zn1â~'O films. Journal of Crystal Growth, 2013, 384, 9-12.	1.5	19