

# Syed A Hussain

## List of Publications by Citations

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131  
papers

1,359  
citations

19  
h-index

29  
g-index

143  
ext. papers

1,630  
ext. citations

3.5  
avg, IF

4.69  
L-index

#	Paper	IF	Citations
131	Field-resolved infrared spectroscopy of biological systems. <i>Nature</i> , <b>2020</b> , 577, 52-59	50.4	63
130	Multi-watt, multi-octave, mid-infrared femtosecond source. <i>Science Advances</i> , <b>2018</b> , 4, eaaq1526	14.3	56
129	Unique supramolecular assembly through Langmuir - Blodgett (LB) technique. <i>Heliyon</i> , <b>2018</b> , 4, e01038	3.6	45
128	Reversible Transition between Excimer and J-Aggregate of Indocarbocyanine Dye in Langmuir-Blodgett (LB) Films. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 9429-9441	3.8	41
127	Fluorescence Resonance Energy Transfer between organic dyes adsorbed onto nano-clay and Langmuir-Blodgett (LB) films. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2010</b> , 75, 664-70	4.4	41
126	LANGMUIR-BLODGETT FILMS AND MOLECULAR ELECTRONICS. <i>Modern Physics Letters B</i> , <b>2009</b> , 23, 3437-3451	3.45	38
125	Development of arsenic(v) sensor based on Fluorescence Resonance Energy Transfer. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 241, 1014-1023	8.5	35
124	Development of hard water sensor using fluorescence resonance energy transfer. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 184, 268-273	8.5	35
123	Investigation of Fluorescence Resonance Energy Transfer between Fluorescein and Rhodamine 6G. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 149, 143-9	4.4	34
122	Langmuir-Blodgett monolayers of cationic dyes in the presence and absence of clay mineral layers: N,NPdioctadecyl thiocyanine, octadecyl rhodamine B and laponite. <i>Langmuir</i> , <b>2010</b> , 26, 11870-7	4	34
121	Effect of nanoclay laponite and pH on the energy transfer between fluorescent dyes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2013</b> , 252, 174-182	4.7	32
120	Development of an ion-sensor using fluorescence resonance energy transfer. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 195, 382-388	8.5	27
119	Formation of fluorescent H-aggregates of a cyanine dye in ultrathin film and its effect on energy transfer. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2014</b> , 293, 57-64	4.7	26
118	Preparation of polystyrene/clay nanocomposite by solution intercalation technique. <i>Bulletin of Materials Science</i> , <b>2013</b> , 36, 361-366	1.7	26
117	Sintering of calcium phosphates with a femtosecond pulsed laser for hard tissue engineering. <i>Materials and Design</i> , <b>2016</b> , 101, 346-354	8.1	22
116	J-aggregates of thiocyanine dye organized in LB films: Effect of irradiation of light. <i>Journal of Luminescence</i> , <b>2011</b> , 131, 1655-1660	3.8	20
115	Effect of nano-clay platelets on the J-aggregation of thiocyanine dye organized in Langmuir-Blodgett films: a spectroscopic investigation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2010</b> , 77, 232-7	4.4	20

114	Spectroscopic characterizations of the mixed Langmuir-Blodgett (LB) films of 2,2'-biquinoline molecules: Evidence of dimer formation. <i>Chemical Physics Letters</i> , <b>2005</b> , 405, 323-329	2.5	20
113	Multi step FRET among three laser dyes Pyrene, Acriflavine and Rhodamine B. <i>Journal of Luminescence</i> , <b>2016</b> , 172, 168-174	3.8	19
112	Control of H-dimer formation of acridine orange using nano clay platelets. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2013</b> , 116, 148-53	4.4	19
111	Adsorption kinetics of a fluorescent dye in a long chain fatty acid matrix. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2011</b> , 79, 1642-7	4.4	19
110	Composition-dependent nanoelectronics of amido-phenazines: non-volatile RRAM and WORM memory devices. <i>Scientific Reports</i> , <b>2017</b> , 7, 13308	4.9	18
109	A reusable software component-based development process model. <i>Advances in Engineering Software</i> , <b>2008</b> , 39, 88-94	3.6	18
108	Towards Microscale Flight: Fabrication, Stability Analysis, and Initial Flight Experiments for 300 $\mu\text{m}$ $\times$ 1.5 $\mu\text{m}$ Sized Untethered MEMS Microfliers. <i>IEEE Transactions on Nanobioscience</i> , <b>2015</b> , 14, 323-31	3.4	16
107	Immobilization of single strand DNA on solid substrate. <i>Chemical Physics Letters</i> , <b>2007</b> , 450, 49-54	2.5	16
106	Preparation and characterization of an anionic dye-polycation molecular films by electrostatic layer-by-layer adsorption process. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2008</b> , 70, 307-12	4.4	16
105	Effect of Zinc oxide nanoparticle on Fluorescence Resonance Energy transfer between Fluorescein and Rhodamine 6G. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 175, 110-116	4.4	15
104	Role of quantum dot in designing FRET based sensors. <i>Materials Today: Proceedings</i> , <b>2018</b> , 5, 2306-2313	1.4	15
103	Electrical switching behaviour of a metalloporphyrin in Langmuir-Blodgett film. <i>Organic Electronics</i> , <b>2018</b> , 55, 50-62	3.5	15
102	Layer-by-layer films and colloidal dispersions of graphene oxide nanosheets for efficient control of the fluorescence and aggregation properties of the cationic dye acridine orange. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2016</b> , 157, 79-87	4.4	15
101	Formation of nanoscale aggregates of a coumarin derivative in Langmuir-Blodgett film. <i>Applied Physics A: Materials Science and Processing</i> , <b>2013</b> , 111, 1037-1043	2.6	15
100	Temperature and concentration dependence of J-aggregate of a cyanine dye in a Laponite film fabricated by Langmuir-Blodgett technique. <i>Applied Clay Science</i> , <b>2015</b> , 104, 245-251	5.2	15
99	Why do physicians prescribe stress ulcer prophylaxis to general medicine patients?. <i>Southern Medical Journal</i> , <b>2010</b> , 103, 1103-10	0.6	15
98	Triosmium clusters containing thiazolide ligand: crystal structures of $[(\text{H})\text{Os}_3(\text{CO})_{10}(\text{EB},4\text{-}\mu\text{-HC}\eta^5\text{NC}\eta^5\text{CHS})]$ and $[(\text{H})\text{Os}_3(\text{CO})_9(\text{EB},4\text{-}\mu\text{-HC}\eta^5\text{NC}\eta^5\text{CHS})(\text{PPh}_3)]$ . <i>Journal of Organometallic Chemistry</i> , <b>1998</b> , 559, 81-89	2.3	15
97	Spectroscopic characterizations of non-amphiphilic 2-(4-biphenyl)-6-phenyl benzoxazole molecules at the air-water interface and in Langmuir-Blodgett films. <i>Journal of Luminescence</i> , <b>2005</b> , 114, 197-206	3.8	15

96	Sensing of DNA conformation based on change in FRET efficiency between laser dyes. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 204, 746-753	8.5	14
95	Development of a DNA sensor using a molecular logic gate. <i>Journal of Biological Physics</i> , <b>2013</b> , 39, 387-94.6		14
94	Formation of complex Langmuir and Langmuir-Blodgett films of water soluble rosebengal. <i>Journal of Colloid and Interface Science</i> , <b>2007</b> , 311, 361-7	9.3	14
93	Photophysical characterizations of 2-(4-biphenyl)-5 phenyl-1,3,4-oxadiazole in restricted geometry. <i>Journal of Luminescence</i> , <b>2008</b> , 128, 41-50	3.8	14
92	Langmuir-Blodgett films of 9-phenyl anthracene molecules incorporated into different matrices. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2005</b> , 61, 2448-54	4.4	13
91	Stability of J-aggregated species in an indocarbocyanine dye in LangmuirBlodgett Films. <i>Journal of Luminescence</i> , <b>2016</b> , 179, 287-296	3.8	13
90	Study of Compression-Induced Supramolecular Nanostructures of an Imidazole Derivative by Langmuir-Blodgett Technique. <i>Langmuir</i> , <b>2017</b> , 33, 8383-8394	4	12
89	A multiplex PCR for detection of enterotoxin genes in <i>Aeromonas</i> species isolated from foods of animal origin and human diarrhoeal samples. <i>Journal of Applied Microbiology</i> , <b>2014</b> , 117, 1721-9	4.7	12
88	Role of various LB parameters on the optical characteristics of mixed LangmuirBlodgett films. <i>Journal of Physics and Chemistry of Solids</i> , <b>2006</b> , 67, 2542-2549	3.9	12
87	Role of microenvironment in the mixed Langmuir-Blodgett films. <i>Journal of Colloid and Interface Science</i> , <b>2006</b> , 299, 785-90	9.3	12
86	Pyrophosphate: A potential biomaterial for dental applications. <i>Materials Science and Engineering C</i> , <b>2017</b> , 75, 885-894	8.3	11
85	Adsorption behavior of DNA onto a cationic surfactant monolayer at the air/water interface. <i>Surface Science</i> , <b>2013</b> , 617, 124-130	1.8	11
84	Formation of complex films with water-soluble CTAB molecules. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2006</b> , 65, 628-32	4.4	11
83	Incorporation of nano-clay saponite layers in the organo-clay hybrid films using anionic amphiphile stearic acid by LangmuirBlodgett technique. <i>Thin Solid Films</i> , <b>2013</b> , 536, 261-268	2.2	10
82	Enterotoxin gene profile and molecular epidemiology of <i>Aeromonas</i> species from fish and diverse water sources. <i>Journal of Applied Microbiology</i> , <b>2019</b> , 127, 921-931	4.7	9
81	Clay induced aggregation of a tetra-cationic metalloporphyrin in Layer by Layer self assembled film. <i>Journal of Physics and Chemistry of Solids</i> , <b>2015</b> , 87, 128-135	3.9	9
80	Development of a sensor to study the DNA conformation using molecular logic gates. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 136 Pt C, 1797-802	4.4	9
79	Exogenous mineralization of hard tissues using photo-absorptive minerals and femto-second lasers; the case of dental enamel. <i>Acta Biomaterialia</i> , <b>2018</b> , 71, 86-95	10.8	9

78	Control of autonomous ground vehicles: a brief technical review. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 224, 012029	0.4	9
77	Formation and control of excimer of a coumarin derivative in Langmuir-Blodgett films. <i>Journal of Luminescence</i> , <b>2014</b> , 145, 824-831	3.8	9
76	Clay induced changes in the aggregation pattern of Safranin-O in hybrid Langmuir-Blodgett (LB) films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2017</b> , 348, 199-208	4.7	8
75	Adsorption of Cationic Laser Dye onto Polymer/Surfactant Complex Film. <i>Chinese Journal of Chemical Physics</i> , <b>2011</b> , 24, 348-352	0.9	8
74	Effect of nano clay Laponite on stability of SHG active J-aggregate of a thiocyanine dye onto LB films. <i>Applied Clay Science</i> , <b>2017</b> , 147, 105-116	5.2	7
73	Field-resolved spectroscopy in the molecular fingerprint region <b>2017</b> ,		7
72	MONOLAYER CHARACTERISTICS OF PYRENE MIXED WITH STEARIC ACID AT THE AIR/WATER INTERFACE. <i>Surface Review and Letters</i> , <b>2008</b> , 15, 287-293	1.1	7
71	Interferometric delay tracking for low-noise Mach-Zehnder-type scanning measurements. <i>Optics Express</i> , <b>2019</b> , 27, 4789-4798	3.3	7
70	Modified aggregation pattern of cresyl violet acetate adsorbed on nano clay mineral layers in Langmuir Blodgett film. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 353, 570-580	4.7	7
69	Investigation on ionic states of 1,2-Dipalmitoyl-sn-glycero-3-phosphorylcholine (DPPC) using organic laser dyes: A FRET study. <i>Journal of Luminescence</i> , <b>2017</b> , 185, 42-47	3.8	6
68	Selective and sensitive detection of L-Cysteine via fluorometric assay using gold nanoparticles and Rhodamine B in aqueous medium. <i>Materials Chemistry and Physics</i> , <b>2019</b> , 234, 158-167	4.4	6
67	Polydiacetylene (PDA) Film: A unique sensing element. <i>Materials Today: Proceedings</i> , <b>2018</b> , 5, 2367-2372	1.4	6
66	Effect of nano clay platelets and DNA on controlling the H-dimer of oxazine 4 perchlorate (OX4) in LbL film. <i>Applied Physics A: Materials Science and Processing</i> , <b>2014</b> , 116, 1669-1676	2.6	6
65	A study on the interactions of cationic porphyrin with nano clay platelets in Layer-by-Layer (LbL) self assembled films. <i>Chemical Physics Letters</i> , <b>2015</b> , 633, 82-88	2.5	6
64	Reaction kinetics of organo-clay hybrid films: In-situ IRRAS, FIM and AFM studies. <i>Journal of Physics and Chemistry of Solids</i> , <b>2010</b> , 71, 323-328	3.9	6
63	Identification and weather sensitivity of physically based model of residential air-conditioners for direct load control: A case study. <i>Energy and Buildings</i> , <b>2006</b> , 38, 997-1005	7	6
62	Triaxial compression of "cappable" formulations. <i>Journal of Pharmaceutical Sciences</i> , <b>1985</b> , 74, 1239-41	3.9	6
61	Study of cholesterol derivative and phospholipid (DPPC) mixed film using LB technique and FRET: Design of cholesterol sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 255, 519-528	8.5	6

60	Photophysical study of the interaction between ZnO nanoparticles and globular protein bovine serum albumin in solution and in a layer-by-layer self-assembled film. <i>Journal of Physics and Chemistry of Solids</i> , <b>2018</b> , 121, 110-120	3.9	6
59	pH induced interaction of DPPC with a fluorescent dye in Langmuir and Langmuir Blodgett (LB) films. <i>Molecular Crystals and Liquid Crystals</i> , <b>2017</b> , 643, 255-265	0.5	5
58	Cooperative Highway Lane Merge of Connected Vehicles Using Nonlinear Model Predictive Optimal Controller. <i>Vehicles</i> , <b>2020</b> , 2, 249-266	1.5	5
57	Organoclay Hybrid Films With Improved Functionality <b>2017</b> , 273-305		5
56	Photophysical behavior of layer-by-layer electrostatic self-assembled film of azo dye Chromotrope-2R and a polycation. <i>Journal of Luminescence</i> , <b>2016</b> , 178, 347-355	3.8	5
55	MONOLAYER CHARACTERISTICS OF CHITOSAN ASSEMBLED IN LANGMUIR FILMS MIXED WITH ARACHIDIC ACID. <i>Surface Review and Letters</i> , <b>2014</b> , 21, 1450049	1.1	5
54	Silver Nanoparticles and Their Antimicrobial Activity on a Few Bacteria. <i>BioNanoScience</i> , <b>2013</b> , 3, 67-72	3.4	5
53	Adsorption of a water soluble cationic dye into a cationic Langmuir monolayer. <i>Journal of Physics and Chemistry of Solids</i> , <b>2015</b> , 80, 98-104	3.9	5
52	AGGREGATION OF P-TERPHENYL ALONG WITH PMMA/SA AT THE LANGMUIR AND LANGMUIR-BLODGETT FILMS. <i>Surface Review and Letters</i> , <b>2008</b> , 15, 459-467	1.1	5
51	Fluorescence- and FRET-based mercury (II) sensor. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2020</b> , 100, 789-807	1.8	5
50	Study of polydiacetylenes and rhodamine-800 mixed film at air-water interface and onto solid support: Trace of fluorescence resonance energy transfer (FRET). <i>Polymer Bulletin</i> , <b>2021</b> , 78, 93-113	2.4	5
49	Interaction of an antibiotic [Norfloxacin with lipid membrane. <i>Materials Today: Proceedings</i> , <b>2018</b> , 5, 2373-2380	1.4	4
48	Matrix dependent changes in metachromasy of crystal violet in Langmuir-Blodgett films. <i>Chemical Physics Letters</i> , <b>2016</b> , 665, 76-84	2.5	4
47	MOLECULAR SELF-ASSEMBLY OF CHICAGO SKY BLUE ONTO SOLID SUBSTRATE. <i>International Journal of Modern Physics B</i> , <b>2011</b> , 25, 1905-1914	1.1	4
46	Effect of Temperature and Ionic Concentration on Self-Assembled Films of Chicago Sky Blue. <i>Chinese Physics Letters</i> , <b>2008</b> , 25, 3732-3734	1.8	4
45	SPECTROSCOPIC CHARACTERIZATIONS OF NONAMPHIPHILIC 2,5-BIS (5-TERT-BUTYL-BENZOXAZOLYL)-THIOPHENE MOLECULES AT THE AIR-WATER INTERFACE AND IN LANGMUIR-BLODGETT FILMS. <i>Surface Review and Letters</i> , <b>2008</b> , 15, 889-896	1.1	4
44	Amberlite IR 120H+ Catalyzed N-C/C-N Coupled Cylation Strategy to Give Imidazoles: Design and Fabrication of Organic Nanomaterial with AFM Imaging. <i>ChemistrySelect</i> , <b>2017</b> , 2, 241-245	1.8	3
43	Adsorption of a cationic water-soluble dye onto cationic Langmuir-Blodgett films via nano clay platelets: An efficient approach to control the H-dimer. <i>Molecular Crystals and Liquid Crystals</i> , <b>2016</b> , 624, 213-223	0.5	3

42	Detection sensitivity of field-resolved spectroscopy in the molecular fingerprint region <b>2017</b> ,		3
41	Polydiacetylene-N-1-Hexadecyl Imidazole Mixed Film and Its Application toward the Sensing of Volatile Organic Compounds, Gasoline, and Pollution Level in Car Exhaust. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 15976-15986	3.8	3
40	Phase behavior of poly diacetylene mixed with a xanthene dye at air/water interface and onto solid support. <i>Soft Materials</i> , <b>2019</b> , 17, 77-92	1.7	3
39	Untethered microscale flight: mechanisms and platforms for future aerial MEMS microrobots <b>2015</b> ,		2
38	Optimum Sample Thickness for Trace Analyte Detection with Field-Resolved Infrared Spectroscopy. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 7508-7514	7.8	2
37	Self-standing films of tetraindolyl derivative and saponite clay mineral with reversible colour switching properties. <i>Journal of Physics and Chemistry of Solids</i> , <b>2020</b> , 144, 109487	3.9	2
36	Formation of J-aggregates in Langmuir-Blodgett films: Effect of stearic acid and nano clay platelets. <i>Molecular Crystals and Liquid Crystals</i> , <b>2016</b> , 638, 44-59	0.5	2
35	Micellar effect of surfactant on the aggregation pattern of a fluorescent dye in ultra-thin film. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 364, 696-704	4.7	2
34	Effect of Functional Group on Electrical Switching Behaviour of an Imidazole Derivative in Langmuir-Blodgett Film. <i>ChemistrySelect</i> , <b>2019</b> , 4, 9065-9073	1.8	2
33	Metal ion-induced H-aggregation of a water-soluble anionic dye Congo red (CR) in Langmuir-Blodgett (LB) film. <i>Supramolecular Chemistry</i> , <b>2017</b> , 29, 401-410	1.8	2
32	Interaction of Nano-Clay Platelets with a Phospholipid in Presence of a Fluorescence Probe. <i>Molecular Crystals and Liquid Crystals</i> , <b>2015</b> , 608, 198-210	0.5	2
31	Interaction of a Laser Dye with a Floating Phospholipid Monolayer. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2013</b> , 50, 607-614	2.2	2
30	PREPARATION OF ODA-CLAY HYBRID FILMS BY LANGMUIR-BLODGETT TECHNIQUE. <i>Modern Physics Letters B</i> , <b>2009</b> , 23, 1351-1358	1.6	2
29	Screening tuberculosis suspects: How many sputum specimens are adequate?. <i>Annals of Tropical Medicine and Public Health</i> , <b>2012</b> , 5, 317		2
28	An active scheduling paradigm for open adaptive network environments. <i>International Journal of Communication Systems</i> , <b>2004</b> , 17, 491-506	1.7	2
27	An agent-based control mechanism for WFQ in IP networks. <i>Control Engineering Practice</i> , <b>2003</b> , 11, 1143-1151	3.151	2
26	Influence of Clay and DNA on Fluorescence Resonance Energy Transfer Between Two Laser Dyes Pyrene and Acriflavine. <i>Advanced Science Letters</i> , <b>2016</b> , 22, 149-153	0.1	2
25	Nano Dimensional Hybrid Organo-clay Langmuir-Blodgett Films. <i>Current Physical Chemistry</i> , <b>2013</b> , 3, 322-332	3.32	2

24	Surfactant concentration dependent metachromasy of an anionic cyanine dye in adsorbed and deposited Langmuir films. <i>Chemical Physics Letters</i> , <b>2017</b> , 676, 99-107	2.5	1
23	Effect of nano clay platelets on the hybrid monolayer of a cationic oxazine dye: In-situ Brewster Angle Microscopic (BAM) study. <i>Materials Today: Proceedings</i> , <b>2018</b> , 5, 2352-2358	1.4	1
22	Effect of DNA in controlling the H-dimeric sites of Nile Blue Chloride (NBC) in ultra-thin film. <i>Materials Today: Proceedings</i> , <b>2018</b> , 5, 2345-2351	1.4	1
21	Effect of denaturation of DNA on the molecular organization of a fluorescent dye in ultra thin films. <i>Molecular Crystals and Liquid Crystals</i> , <b>2016</b> , 633, 46-53	0.5	1
20	Polydiacetylene and imidazole mixed self-standing films for colorimetric detection of various volatile organic analytes. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1330, 012012	0.3	1
19	LAYER-BY-LAYER SELF-ASSEMBLED FILMS OF ROSE BENGAL. <i>International Journal of Modern Physics B</i> , <b>2011</b> , 25, 4039-4046	1.1	1
18	Langmuir-Blodgett films of p-terphenyl in different matrices: evidence of dual excimer. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2007</b> , 68, 257-62	4.4	1
17	Photophysical characterization of layer-by-layer self-assembled films of deoxyribonucleic acid <b>2008</b> , 71, 379-384		1
16	Miscibility and Molecular Orientation of Carbazole in Mixed Langmuir and LangmuirBlodgett Films. <i>Chinese Physics Letters</i> , <b>2007</b> , 24, 2044-2047	1.8	1
15	Miscibility of Two Components in a Binary Mixture of 9-Phenyl Anthracene Mixed with Stearic Acid or Polymethyl Methacrylate at AirWater Interface. <i>Chinese Physics Letters</i> , <b>2007</b> , 24, 1331-1334	1.8	1
14	Comparative analysis of case screening with varying cough duration and sputum samples for diagnosis of tuberculosis in patients attending the OPD at a tertiary care hospital at Srinagar, India. <i>Nigerian Journal of Clinical Practice</i> , <b>2012</b> , 15, 430-5	1	1
13	Resistive Switching of the Tetraindolyl Derivative in Ultrathin Films: A Potential Candidate for Nonvolatile Memory Applications. <i>Langmuir</i> , <b>2021</b> , 37, 4449-4459	4	1
12	7-Alkoxy-appended coumarin derivatives: synthesis, photo-physical properties, aggregation behaviours and current-voltage (-) characteristic studies on thin films.. <i>RSC Advances</i> , <b>2021</b> , 11, 10212-10223	3.7	1
11	Effect of clay in controlling the non-fluorescence H-dimeric states of a cationic dye Nile Blue Chloride (NBC) in hybrid LangmuirBlodgett (LB) film. <i>Chemical Physics Letters</i> , <b>2018</b> , 691, 298-306	2.5	1
10	Fluorescence resonance energy transfer (FRET) between acriflavine and CdTe quantum dot. <i>Materials Today: Proceedings</i> , <b>2020</b> , 46, 6087-6087	1.4	0
9	Fluorescence resonance energy transfer (FRET) as biomarkers. <i>Materials Today: Proceedings</i> , <b>2021</b> , 46, 6301-6303	1.4	0
8	Resistive switching behaviour of organic molecules. <i>Materials Today: Proceedings</i> , <b>2021</b> , 46, 6290-6294	1.4	0
7	Effect of Electric Field on J-aggregate in Ultrathin Films. <i>Materials Today: Proceedings</i> , <b>2018</b> , 5, 2275-2280	0.4	



- 6 Study of aggregation behavior of water insoluble metalloporphyrin (Zn) in LB film. *Materials Today: Proceedings*, **2018**, 5, 2246-2253 1.4
- 5 Study of an Imidazole Derivative Mixed with Fatty Acid at Air-Water Interface and in Ultrathin Films. *Materials Today: Proceedings*, **2018**, 5, 2287-2294 1.4
- 4 Metachromasy of a water soluble pthalocyanine dye in the solutions and deposited Langmuir films. *Materials Today: Proceedings*, **2018**, 5, 2339-2344 1.4
- 3 Photophysical studies of xanthene dye in alkanols and in presence of inorganic ions. *Indian Journal of Physics*, **2010**, 84, 653-658 1.4
- 2 . *IEEE Transactions on Signal Processing*, **1994**, 42, 985-988 4.8
- 1 Micellar effect of CTAB on Phenol red sodium salt: A model system may be used for cell membrane study. *Materials Today: Proceedings*, **2021**, 46, 6433-6436 1.4