

# Shuyun Bi

## List of Publications by Year in descending order

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47  
papers

2,373  
citations

394421

19  
h-index

233421

45  
g-index

47  
all docs

47  
docs citations

47  
times ranked

2305  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular spectroscopic study on the interaction of tetracyclines with serum albumins. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 61, 629-636.	3.9	423
2	Investigation of the interaction between flavonoids and human serum albumin. <i>Journal of Molecular Structure</i> , 2004, 703, 37-45.	3.6	390
3	Study of interactions of flavonoids with DNA using acridine orange as a fluorescence probe. <i>Sensors and Actuators B: Chemical</i> , 2006, 119, 199-208.	7.8	222
4	Study on the interaction mechanism between DNA and the main active components in <i>Scutellaria baicalensis</i> Georgi. <i>Sensors and Actuators B: Chemical</i> , 2008, 129, 799-810.	7.8	199
5	Studies of interaction of emodin and DNA in the presence of ethidium bromide by spectroscopic method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 69, 123-129.	3.9	135
6	Binding of several anti-tumor drugs to bovine serum albumin: Fluorescence study. <i>Journal of Luminescence</i> , 2009, 129, 541-547.	3.1	130
7	Study of interactions of anthraquinones with DNA using ethidium bromide as a fluorescence probe. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 70, 136-143.	3.9	111
8	Spectroscopic study on the interaction of eugenol with salmon sperm DNA in vitro. <i>Journal of Luminescence</i> , 2012, 132, 2355-2360.	3.1	76
9	Spectroscopic characterization of effective components anthraquinones in Chinese medicinal herbs binding with serum albumins. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 62, 203-212.	3.9	75
10	Investigation on the interactions of clenbuterol to bovine serum albumin and lysozyme by molecular fluorescence technique. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 120, 456-461.	3.9	66
11	Investigation of three flavonoids binding to bovine serum albumin using molecular fluorescence technique. <i>Journal of Luminescence</i> , 2012, 132, 132-140.	3.1	52
12	Investigation of ketoprofen binding to human serum albumin by spectral methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 78, 410-414.	3.9	49
13	Studies on the arctiin and its interaction with DNA by spectral methods. <i>Journal of Luminescence</i> , 2011, 131, 2299-2306.	3.1	47
14	Investigation on the interactions of silymarin to bovine serum albumin and lysozyme by fluorescence and absorbance. <i>Journal of Luminescence</i> , 2012, 132, 895-900.	3.1	42
15	Binding studies of terbutaline sulfate to calf thymus DNA using multispectroscopic and molecular docking techniques. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 150, 921-927.	3.9	34
16	Probing the interactions of bromchlorbuterol-HCl and phenylethanolamine A with HSA by multi-spectroscopic and molecular docking technique. <i>Journal of Chemical Thermodynamics</i> , 2016, 97, 113-121.	2.0	27
17	Sensitive surface-enhanced Raman spectroscopy (SERS) determination of nitrofurazone by $\beta$ -cyclodextrin-protected AuNPs/ $\beta$ -Al <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Food Chemistry</i> , 2022, 370, 131059.	8.2	26
18	An investigation on the interaction of DNA with hesperetin/apigenin in the presence of CTAB by resonance Rayleigh light scattering technique and its analytical application. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 90, 158-164.	3.9	23

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19	In vitro studies on the behavior of salmeterol xinafoate and its interaction with calf thymus DNA by multi-spectroscopic techniques. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 132, 198-204.	3.9	21
20	Multispectral and molecular docking investigations on the interaction of primethamine/trimethoprim with BSA/HSA. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 934-942.	3.5	20
21	Using gold nanoparticles as probe for detection of salmeterol xinafoate by resonance Rayleigh light scattering. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 135, 1074-1079.	3.9	15
22	Selective determination of dinitolmide and toltrazuril by surface-enhanced raman spectroscopy (SERS) using AgNPs as substrate. <i>Sensors and Actuators B: Chemical</i> , 2020, 307, 127644.	7.8	15
23	Binding characteristics of salbutamol with DNA by spectral methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 111, 182-187.	3.9	14
24	Micronomicin/tobramycin binding with DNA: fluorescence studies using of ethidium bromide as a probe and molecular docking analysis. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 1464-1476.	3.5	14
25	Investigation on hyperinâ€“cetyltrimethylammonium bromideâ€“fibronectin system by resonance light-scattering technique. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 66, 52-57.	3.9	13
26	Rapid determination of marbofloxacin by surface-enhanced Raman spectroscopy of silver nanoparticles modified by Î²-cyclodextrin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 229, 118009.	3.9	13
27	Study on the interactions of mapenterol with serum albumins using multiâ€“spectroscopy and molecular docking. <i>Luminescence</i> , 2016, 31, 372-379.	2.9	11
28	Characterization of the binding of neomycin/paromomycin sulfate with DNA using acridine orange as fluorescence probe and molecular docking technique. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 2077-2089.	3.5	11
29	Depicting the binding of furazolidone/furacilin with DNA by multiple spectroscopies, voltammetric as well as molecular docking. <i>Luminescence</i> , 2020, 35, 493-502.	2.9	11
30	Characterization of the binding of paylean and DNA by fluorescence, UV spectroscopy and molecular docking techniques. <i>Luminescence</i> , 2016, 31, 1013-1019.	2.9	10
31	Assessment on the binding characteristics of residual marbofloxacin in animalâ€“derived food to bovine/human serum albumin by spectroscopy and molecular modelling. <i>Luminescence</i> , 2021, 36, 977-985.	2.9	9
32	The analytical application and spectral investigation of DNAâ€“CPBâ€“emodin and sensitive determination of DNA by resonance Rayleigh light scattering technique. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 101, 233-238.	3.9	8
33	Investigation of the binding of AuNPsâ€“6â€“mercaptapurine and the sensitive detection of 6â€“mercaptapurine using resonance Rayleigh light scattering. <i>Luminescence</i> , 2017, 32, 502-508.	2.9	8
34	Study on naringeninâ€“CTMABâ€“DNA system by resonance light scattering technique and its analytical application. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 1430-1434.	3.9	7
35	Study of the interaction of salmon sperm DNA with myricitrinâ€“CPB based on the enhanced resonance light scattering signal and its potential application. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 112, 397-402.	3.9	6
36	Assembly of AuNRs and eugenol for trace analysis of eugenol using resonance light scattering technique. <i>Materials Science and Engineering C</i> , 2016, 58, 1001-1007.	7.3	6

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37	Interaction of dextromethorphan hydrobromide with DNA: multispectral, voltammetric, and molecular docking technology. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 1154-1160.	3.5	6
38	The resonance Rayleigh light scattering spectral investigation on the interaction of DNA with camellia sinensis in the presence of CPC and its analytical application. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 127, 335-339.	3.9	5
39	Resonance light scattering spectroscopy of procyanidinâ€“CPBâ€“DNA ternary system and its potential application. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 146, 255-260.	3.9	5
40	A sensitive resonance Rayleigh light scattering method for alpinetin using gold nanorods probes. <i>Luminescence</i> , 2018, 33, 1164-1170.	2.9	4
41	Study on the binding of sulfaclozine sodium monohydrate with bovine and human serum albumins using multi-spectroscopy and molecular docking. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 4835-4844.	3.5	4
42	Spectral and molecular docking studies on the interaction of three flavonoids with bovine serum albumin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 2197-2205.	3.5	3
43	Binding study of florfenicol with DNA by multi-spectroscopy and molecular docking techniques. <i>Process Biochemistry</i> , 2021, 108, 26-33.	3.7	3
44	Multispectral and molecular modeling investigations on the binding behaviors of two anticoccidials with serum albumins. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 6522-6533.	3.5	2
45	Highly sensitive SERS determination of amprolium HCl based on Au@Ag coreâ€“shell alloy nanoparticles. <i>Microchemical Journal</i> , 2021, 167, 106343.	4.5	2
46	Determination of spectinomycin by SERS based on BSA-protected AgNPs decorated with Î±-CD. <i>Microchemical Journal</i> , 2022, 172, 106938.	4.5	0
47	Exploring on the intercalation binding of tiamulin with DNA using multiâ€“spectroscopy and molecular modeling approach. <i>Luminescence</i> , 0, , .	2.9	0