

Salvatore Cannistraro

List of Publications by Year in descending order

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210
papers

5,289
citations

101384

36
h-index

133063

59
g-index

214
all docs

214
docs citations

214
times ranked

4869
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Dynamics of Water at the Protein-Solvent Interface. <i>Journal of Physical Chemistry B</i> , 2002, 106, 6617-6633.	1.2	484
2	Water dynamical anomalies evidenced by molecular-dynamics simulations at the solvent-protein interface. <i>Physical Review E</i> , 1998, 57, 3315-3325.	0.8	166
3	The application of atomic force spectroscopy to the study of biological complexes undergoing a biorecognition process. <i>Chemical Society Reviews</i> , 2010, 39, 734-749.	18.7	120
4	Nanostructured enzymatic biosensor based on fullerene and gold nanoparticles: Preparation, characterization and analytical applications. <i>Biosensors and Bioelectronics</i> , 2014, 55, 430-437.	5.3	111
5	Surface-Enhanced Resonance Raman Spectroscopy Signals from Single Myoglobin Molecules. <i>Applied Spectroscopy</i> , 2002, 56, 1531-1537.	1.2	91
6	Single-molecule detection of yeast cytochrome c by Surface-Enhanced Raman Spectroscopy. <i>Biophysical Chemistry</i> , 2005, 113, 41-51.	1.5	89
7	Quenching and Blinking of Fluorescence of a Single Dye Molecule Bound to Gold Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16491-16498.	1.2	85
8	Single Molecule Recognition between Cytochrome C 551 and Gold-Immobilized Azurin by Force Spectroscopy. <i>Biophysical Journal</i> , 2005, 89, 2783-2791.	0.2	82
9	Molecular dynamics simulation evidence of anomalous diffusion of protein hydration water. <i>Physical Review E</i> , 1996, 53, R3040-R3043.	0.8	79
10	Potential-induced resonant tunneling through a redox metalloprotein investigated by electrochemical scanning probe microscopy. <i>Ultramicroscopy</i> , 2001, 89, 291-298.	0.8	74
11	The electrochemical characteristics of blue copper protein monolayers on gold. <i>Journal of Electroanalytical Chemistry</i> , 2004, 565, 21-28.	1.9	70
12	Surface-enhanced Raman scattering detection of wild-type and mutant p53 proteins at very low concentration in human serum. <i>Analytical Biochemistry</i> , 2012, 421, 9-15.	1.1	70
13	EPR STUDIES ON SINGLET OXYGEN PRODUCTION BY PORPHYRINS. <i>Photochemistry and Photobiology</i> , 1978, 28, 257-259.	1.3	67
14	Protein and Electrode Engineering for the Covalent Immobilization of P450 BMP on Gold. <i>Analytical Chemistry</i> , 2008, 80, 8438-8446.	3.2	63
15	p28, A first in class peptide inhibitor of cop1 binding to p53. <i>British Journal of Cancer</i> , 2013, 108, 2495-2504.	2.9	62
16	Photosensitization by hematoporphyrin: ESR evidence for free radical induction in unsaturated fatty acids and for singlet oxygen production. <i>Biochemical and Biophysical Research Communications</i> , 1977, 74, 1177-1185.	1.0	60
17	Probing the interaction between p53 and the bacterial protein azurin by single molecule force spectroscopy. <i>Journal of Molecular Recognition</i> , 2008, 21, 63-70.	1.1	59
18	SERS detection of thrombin by protein recognition using functionalized gold nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2007, 3, 306-310.	1.7	58

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19	Water residence times around copper plastocyanin: a molecular dynamics simulation approach. <i>Chemical Physics</i> , 1997, 214, 261-276.	0.9	57
20	Neutron scattering evidence of a boson peak in protein hydration water. <i>Physical Review E</i> , 1999, 60, R2476-R2479.	0.8	55
21	Docking study and free energy simulation of the complex between p53 DNA-binding domain and azurin. <i>Journal of Molecular Recognition</i> , 2007, 20, 215-226.	1.1	54
22	Role of interfacial water in the molecular dynamics-simulated dynamical transition of plastocyanin. <i>Chemical Physics Letters</i> , 1998, 291, 7-14.	1.2	52
23	LÃ©vy Statistics of Vibrational Mode Fluctuations of Single Molecules from Surface-Enhanced Raman Scattering. <i>Physical Review Letters</i> , 2005, 94, 068303.	2.9	51
24	Origin of the anomalous diffusion observed by MD simulation at the protein-water interface. <i>Chemical Physics Letters</i> , 1996, 263, 559-566.	1.2	50
25	Interaction of an anticancer peptide fragment of azurin with p53 and its isolated domains studied by atomic force spectroscopy. <i>International Journal of Nanomedicine</i> , 2011, 6, 3011.	3.3	50
26	Topological and Electron-Transfer Properties of Yeast Cytochrome c Adsorbed on Bare Gold Electrodes. <i>ChemPhysChem</i> , 2003, 4, 1183-1188.	1.0	49
27	Glasslike dynamical behavior of the plastocyanin hydration water. <i>Physical Review E</i> , 2000, 62, 3991-3999.	0.8	48
28	Optical investigation of the electron transfer protein azurin-gold nanoparticle system. <i>Biophysical Chemistry</i> , 2009, 139, 1-7.	1.5	48
29	Concerted motions in copper plastocyanin and azurin: an essential dynamics study. <i>Biophysical Chemistry</i> , 2001, 90, 45-56.	1.5	46
30	Incoherent neutron scattering of copper azurin: a comparison with molecular dynamics simulation results. <i>European Biophysics Journal</i> , 1999, 28, 447-456.	1.2	44
31	Atomic Force Spectroscopy in Biological Complex Formation: Strategies and Perspectives. <i>Journal of Physical Chemistry B</i> , 2009, 113, 16449-16464.	1.2	44
32	A Poplar Plastocyanin Mutant Suitable for Adsorption onto Gold Surface via Disulfide Bridge. <i>Archives of Biochemistry and Biophysics</i> , 2002, 399, 81-88.	1.4	40
33	Scanning probe microscopy characterization of gold-chemisorbed poplar plastocyanin mutants. <i>Surface Science</i> , 2003, 530, 181-194.	0.8	40
34	Functional Metalloproteins Integrated with Conductive Substrates: Detecting Single Molecules and Sensing Individual Recognition Events. <i>Journal of Physical Chemistry B</i> , 2007, 111, 5062-5075.	1.2	40
35	Temporal fluctuations in the SERRS spectra of single iron-protoporphyrin IX molecule. <i>Chemical Physics</i> , 2003, 290, 297-306.	0.9	39
36	Role of hydrogen-bond cooperativity and free-volume fluctuations in the non-Arrhenius behavior of water self-diffusion: A continuity-of-states model. <i>Physical Review E</i> , 1994, 49, 2841-2850.	0.8	37

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37	Hydrogen bond analysis by MD simulation of copper plastocyanin at different hydration levels. <i>Chemical Physics</i> , 1995, 201, 463-472.	0.9	37
38	MD simulation of a plastocyanin mutant adsorbed onto a gold surface. <i>Biophysical Chemistry</i> , 2003, 106, 111-123.	1.5	36
39	Optimized Biorecognition of Cytochrome c551 and Azurin Immobilized on Thiol-Terminated Monolayers Assembled on Au(111) Substrates. <i>Journal of Physical Chemistry B</i> , 2006, 110, 14574-14580.	1.2	36
40	Influence of the immobilization procedures on the electroanalytical performances of <i>Trametes versicolor</i> laccase based bioelectrode. <i>Microchemical Journal</i> , 2012, 100, 8-13.	2.3	36
41	Low-frequency Vibrational Anomalies in β^2 -Lactoglobulin: Contribution of Different Hydrogen Classes Revealed by Inelastic Neutron Scattering. <i>Journal of Physical Chemistry B</i> , 2001, 105, 12150-12156.	1.2	35
42	Temporal fluctuations in the potential energy of proteins: $1/f$ noise and diffusion. <i>Physica D: Nonlinear Phenomena</i> , 2002, 165, 242-250.	1.3	35
43	SERS-based nanobiosensing for ultrasensitive detection of the p53 tumor suppressor. <i>International Journal of Nanomedicine</i> , 2011, 6, 2033.	3.3	34
44	Long-term molecular dynamics simulation of copper azurin: structure, dynamics and functionality. <i>Biophysical Chemistry</i> , 1999, 78, 247-257.	1.5	33
45	ESR and optical absorption evidence for free radical involvement in the photosensitizing action of furocoumarin derivatives and for their singlet oxygen production. <i>Nucleic Acids and Protein Synthesis</i> , 1977, 476, 166-177.	1.7	32
46	Electron transfer, conduction and biorecognition properties of the redox metalloprotein Azurin assembled onto inorganic substrates. <i>European Polymer Journal</i> , 2016, 83, 407-427.	2.6	32
47	Direct electron spin resonance evidence for β -tocopherol-induced phase separation in model membranes. <i>Chemistry and Physics of Lipids</i> , 1988, 47, 129-133.	1.5	31
48	Vibrational coherence in Azurin with impulsive excitation of the LMCT absorption band. <i>Chemical Physics Letters</i> , 2002, 362, 497-503.	1.2	31
49	The low frequency vibrational modes of green fluorescent proteins. <i>Chemical Physics</i> , 2003, 287, 33-42.	0.9	31
50	Chirality Switching within an Anionic Cell-Penetrating Peptide Inhibits Translocation without Affecting Preferential Entry. <i>Molecular Pharmaceutics</i> , 2015, 12, 140-149.	2.3	31
51	Long-term molecular dynamics simulation of copper plastocyanin in water. <i>Biophysical Chemistry</i> , 1997, 69, 185-198.	1.5	30
52	Molecular-dynamics simulation evidences of a boson peak in protein hydration water. <i>Physical Review E</i> , 1998, 57, R6277-R6280.	0.8	30
53	In situ Raman microspectroscopic identification and localization of carotenoids: Approach to monitoring of UV-B irradiation stress on antarctic fungus. , 2000, 57, 179-186.		29
54	Low frequency scattering excess in supercooled confined water. <i>Journal of Chemical Physics</i> , 2001, 114, 10010-10014.	1.2	29

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55	Conductive atomic force microscopy study of plastocyanin molecules adsorbed on gold electrode. <i>Surface Science</i> , 2005, 598, 68-77.	0.8	29
56	Surface enhanced Raman spectroscopy based immunosensor for ultrasensitive and selective detection of wild type p53 and mutant p53R175H. <i>Analytica Chimica Acta</i> , 2018, 1029, 86-96.	2.6	29
57	Monte carlo simulation of the electron paramagnetic resonance spectrum displayed by copper ceruloplasmin at 77 K. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1984, 4, 194-205.	0.4	27
58	A spin label ESR and saturation transfer ESR study of α -tocopherol containing model membranes. <i>Chemistry and Physics of Lipids</i> , 1990, 53, 17-26.	1.5	27
59	Molecular dynamics simulation of plastocyanin potential energy fluctuations: 1/f noise. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 267, 257-270.	1.2	27
60	Simulation of EPR spectra of Cu ²⁺ complexes with statistical distribution of the g-factor and hyperfine splitting. <i>Chemical Physics</i> , 1985, 98, 115-122.	0.9	26
61	Electron spin relaxation measurements on the blue-copper protein plastocyanin. <i>Biophysical Journal</i> , 1990, 57, 157-162.	0.2	26
62	Solvent modulation of the structural heterogeneity in FeIII myoglobin samples: a low temperature EPR investigation. <i>European Biophysics Journal</i> , 1993, 22, 259-67.	1.2	26
63	Molecular dynamics simulation and essential dynamics study of mutated plastocyanin: structural, dynamical and functional effects of a disulfide bridge insertion at the protein surface. <i>Biophysical Chemistry</i> , 2001, 92, 183-199.	1.5	26
64	Evidence of electron-transfer in the SERS spectra of a single iron-protoporphyrin IX molecule. <i>Chemical Physics Letters</i> , 2004, 395, 222-226.	1.2	26
65	Ultrafast Pump-Probe Study of Excited-State Charge-Transfer Dynamics in Ume cyanin from Horseradish Root. <i>Journal of Physical Chemistry B</i> , 2006, 110, 17252-17259.	1.2	26
66	Time-dependent study of single-molecule SERS signal from yeast cytochrome c. <i>Chemical Physics</i> , 2006, 326, 356-362.	0.9	26
67	Azurin modulates the association of Mdm2 with p53: SPR evidence from interaction of the full-length proteins. <i>Journal of Molecular Recognition</i> , 2011, 24, 707-714.	1.1	26
68	Structural Characterization of the Intrinsically Disordered Protein p53 Using Raman Spectroscopy. <i>Applied Spectroscopy</i> , 2017, 71, 823-832.	1.2	26
69	Flickering noise in the potential energy fluctuations of proteins as investigated by MD simulation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1997, 236, 596-601.	0.9	25
70	A dynamic light scattering study on mutual diffusion coefficient of BSA in concentrated aqueous solutions. <i>Europhysics Letters</i> , 1998, 43, 476-481.	0.7	25
71	Interaction of p53 with Mdm2 and azurin as studied by atomic force spectroscopy. <i>Journal of Molecular Recognition</i> , 2010, 23, 343-351.	1.1	25
72	Modelling the interaction between the p53 DNA-binding domain and the p28 peptide fragment of Azurin. <i>Journal of Molecular Recognition</i> , 2011, 24, 1043-1055.	1.1	25

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73	Calcium Ions Modulate the Mechanics of Tomato Bushy Stunt Virus. <i>Biophysical Journal</i> , 2015, 109, 390-397.	0.2	25
74	Vibrational Changes Induced by Electron Transfer in Surface Bound Azurin Metalloprotein Studied by Tip-Enhanced Raman Spectroscopy and Scanning Tunneling Microscopy. <i>ACS Nano</i> , 2017, 11, 12824-12831.	7.3	25
75	Anomalous and anisotropic diffusion of plastocyanin hydration water. <i>Europhysics Letters</i> , 1997, 37, 201-206.	0.7	24
76	Docking and molecular dynamics simulation of the Azurin-Cytochrome c551 electron transfer complex. <i>Journal of Molecular Recognition</i> , 2007, 20, 122-131.	1.1	24
77	Distribution of conformational states as common source of β - and α -strain in the ESR spectra of proteins and glasses. <i>Journal De Physique</i> , 1990, 51, 131-139.	1.8	24
78	Molecular dynamics of copper plastocyanin: simulations of structure and dynamics as a function of hydration. <i>Chemical Physics</i> , 1994, 183, 155-166.	0.9	23
79	Electron tunneling in a metal-protein-metal junction investigated by scanning tunneling and conductive atomic force spectroscopies. <i>Applied Physics Letters</i> , 2006, 89, 183125.	1.5	23
80	Statistical analysis of intensity fluctuations in single molecule SERS spectra. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 5315.	1.3	23
81	Modeling the interaction between the N-terminal domain of the tumor suppressor p53 and azurin. <i>Journal of Molecular Recognition</i> , 2009, 22, 215-222.	1.1	23
82	Surface-enhanced Raman spectroscopy combined with atomic force microscopy for ultrasensitive detection of thrombin. <i>Analytical Biochemistry</i> , 2009, 393, 149-154.	1.1	23
83	Chemically Modified Multiwalled Carbon Nanotubes Electrodes with Ferrocene Derivatives through Reactive Landing. <i>Journal of Physical Chemistry C</i> , 2011, 115, 4863-4871.	1.5	23
84	A spin label ESR and saturation transfer-ESR study of archaebacteria bipolar lipids. <i>European Biophysics Journal</i> , 1985, 13, 67-76.	1.2	22
85	Fluorescence study on whole Antarctic fungal spores under enhanced UV irradiation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1997, 39, 258-264.	1.7	22
86	A Combined Atomic Force Microscopy and Molecular Dynamics Simulation Study on a Plastocyanin Mutant Chemisorbed on a Gold Surface. <i>ChemPhysChem</i> , 2003, 4, 1189-1195.	1.0	22
87	Excited state charge-transfer dynamics study of poplar plastocyanin by ultrafast pump-probe spectroscopy and molecular dynamics simulation. <i>Biophysical Chemistry</i> , 2003, 106, 221-231.	1.5	22
88	Surface Plasmon Resonance Sensing of Biorecognition Interactions within the Tumor Suppressor p53 Network. <i>Sensors</i> , 2017, 17, 2680.	2.1	22
89	PHOTOSENSITIZATION OF AMINO ACIDS BY DI-CYAN-HEMIN: KINETIC AND EPR STUDIES. <i>Photochemistry and Photobiology</i> , 1978, 27, 517-521.	1.3	21
90	Low-frequency vibrational modes in proteins: a neutron scattering investigation. <i>European Biophysics Journal</i> , 2001, 30, 443-449.	1.2	21

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91	Dynamics of Different Hydrogen Classes in β -lactoglobulin: A Quasielastic Neutron Scattering Investigation. <i>Journal of Physical Chemistry B</i> , 2002, 106, 7348-7354.	1.2	21
92	$1/f$ Noise in the Dynamic Force Spectroscopy Curves Signals the Occurrence of Biorecognition. <i>Physical Review Letters</i> , 2013, 110, 048104.	2.9	21
93	Interaction of human hemoglobin and semi-hemoglobins with the <i>Staphylococcus aureus</i> hemophore IsdB: a kinetic and mechanistic insight. <i>Scientific Reports</i> , 2019, 9, 18629.	1.6	21
94	Rotational and translational dynamics of human albumin. <i>Physical Review A</i> , 1986, 33, 745-746.	1.0	20
95	Tip to substrate distances in STM imaging of biomolecules. <i>Ultramicroscopy</i> , 2004, 101, 231-240.	0.8	20
96	Binding of Amphipathic Cell Penetrating Peptide p28 to Wild Type and Mutated p53 as studied by Raman, Atomic Force and Surface Plasmon Resonance spectroscopies. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 910-921.	1.1	20
97	Interaction of the anticancer p28 peptide with p53-DBD as studied by fluorescence, FRET, docking and MD simulations. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 342-350.	1.1	20
98	Effect of ethanol addition upon the structure and the cooperativity of the water H bond network. <i>Chemical Physics</i> , 1996, 213, 95-110.	0.9	19
99	Effects of Somatostatin on Intracellular Calcium Concentration in PC12 Cells. <i>Journal of Neurochemistry</i> , 2002, 66, 485-492.	2.1	19
100	Kinetics and binding geometries of the complex between β 2-microglobulin and its antibody: An AFM and SPR study. <i>Biophysical Chemistry</i> , 2016, 211, 19-27.	1.5	18
101	A Reliable BioFET Immunosensor for Detection of p53 Tumour Suppressor in Physiological-Like Environment. <i>Sensors</i> , 2020, 20, 6364.	2.1	18
102	Solvent effects on myoglobin conformational substates as studied by electron paramagnetic resonance. <i>Biophysical Chemistry</i> , 1992, 42, 79-85.	1.5	17
103	Two-photon autofluorescence microscopy and spectroscopy of Antarctic fungus: New approach for studying effects of UV-B irradiation. <i>Biopolymers</i> , 2000, 57, 218-225.	1.2	17
104	Observation of terahertz vibrations in <i>Pyrococcus furiosus</i> rubredoxin via impulsive coherent vibrational spectroscopy and nuclear resonance vibrational spectroscopy interpretation by molecular mechanics. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 375-384.	1.5	17
105	Antigen-antibody biorecognition events as discriminated by noise analysis of force spectroscopy curves. <i>Nanotechnology</i> , 2014, 25, 335102.	1.3	17
106	Water proton self-diffusion and hydrogen bonding in aqueous human albumin solutions. <i>Chemical Physics Letters</i> , 1989, 164, 653-656.	1.2	16
107	Solvent Stokes-Einstein violation in aqueous protein solutions. <i>Physical Review E</i> , 1994, 49, 5878-5880.	0.8	16
108	Low frequency vibrational anomalies in hydrated copper azurin: A neutron scattering and MD simulation study. <i>Journal of Molecular Liquids</i> , 2000, 84, 3-16.	2.3	16

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109	Imaging and kinetics of the bimolecular complex formed by the tumor suppressor p53 with ubiquitin ligase COP1 as studied by atomic force microscopy and surface plasmon resonance. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 251-259.	3.3	16
110	Probing direct interaction of oncomiR-21-3p with the tumor suppressor p53 by fluorescence, FRET and atomic force spectroscopy. <i>Archives of Biochemistry and Biophysics</i> , 2019, 671, 35-41.	1.4	16
111	SERS and Tunneling Spectroscopy Investigation of Iron-Protoporphyrin IX Adsorbed on a Silver Tip. <i>Journal of Physical Chemistry B</i> , 2005, 109, 16571-16574.	1.2	15
112	Assembling of redox proteins on Au(111) surfaces: A scanning probe microscopy investigation for application in bio-nanodevices. <i>Thin Solid Films</i> , 2006, 515, 212-219.	0.8	15
113	Optical and electronic coupling of the redox copper Azurin on ITO-coated quartz substrate. <i>Biosensors and Bioelectronics</i> , 2008, 24, 204-209.	5.3	15
114	Highly Conductive Redox Protein-Carbon Nanotube Complex for Biosensing Applications. <i>Advanced Functional Materials</i> , 2011, 21, 153-157.	7.8	15
115	Ultrafast Pump-Probe Study of the Excited-State Charge-Transfer Dynamics in Blue Copper Rusticyanin. <i>Journal of Physical Chemistry B</i> , 2012, 116, 4192-4198.	1.2	15
116	Interaction of mutant p53 with p73: A Surface Plasmon Resonance and Atomic Force Spectroscopy study. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 1958-1964.	1.1	15
117	Electron tunnelling through single azurin molecules can be on/off switched by voltage pulses. <i>Applied Physics Letters</i> , 2015, 106, 183701.	1.5	15
118	Optical Spectroscopic Investigation of the Alkaline Transition in Umecyanin from Horseradish Root. <i>Biochemistry</i> , 2005, 44, 16090-16097.	1.2	14
119	Yeast cytochrome c integrated with electronic elements: a nanoscopic and spectroscopic study down to single-molecule level. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 225009.	0.7	14
120	Conductive atomic force microscopy investigation of transverse current across metallic and semiconducting single-walled carbon nanotubes. <i>Applied Physics Letters</i> , 2007, 91, 122103.	1.5	14
121	Free energy evaluation of the p53-Mdm2 complex from unbinding work measured by dynamic force spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 2738-2743.	1.3	14
122	Conductive atomic force microscopy study of single molecule electron transport through the Azurin-gold nanoparticle system. <i>Applied Physics Letters</i> , 2013, 102, 203704.	1.5	14
123	Binding of azurin to cytochrome c 551 as investigated by surface plasmon resonance and fluorescence. <i>Journal of Molecular Recognition</i> , 2014, 27, 124-130.	1.1	14
124	An EPR investigation on the structural heterogeneity in copper azurin and plastocyanin. <i>Biophysical Chemistry</i> , 1997, 63, 211-219.	1.5	13
125	Fractional Stokes-Einstein Relationship in Biological Colloids: A Role of Mixed Stick-Slip Boundary Conditions. <i>Journal of Physical Chemistry B</i> , 1999, 103, 1746-1751.	1.2	13
126	Scanning tunneling spectroscopy investigation of self-assembled plastocyanin mutants onto gold substrates under controlled environment. <i>Biophysical Chemistry</i> , 2004, 107, 107-116.	1.5	13

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127	Thermal stability of wild type and disulfide bridge containing mutant of poplar plastocyanin. <i>Biophysical Chemistry</i> , 2004, 112, 35-43.	1.5	13
128	A combined atomic force microscopy imaging and docking study to investigate the complex between p53 DNA binding domain and Azurin. <i>Journal of Molecular Recognition</i> , 2009, 22, 506-515.	1.1	13
129	Raman Evidence of p53-DBD Disorder Decrease upon Interaction with the Anticancer Protein Azurin. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3078.	1.8	13
130	Photodynamic Activity of Dyes with Different DNA Binding Properties. <i>International Journal of Radiation Biology and Related Studies in Physics, Chemistry, and Medicine</i> , 1978, 34, 213-221.	1.0	12
131	Cooperativity and hydrogen bond network lifetime in liquid water. <i>Physical Review E</i> , 1995, 52, 4529-4532.	0.8	12
132	The 1.6 Å resolution crystal structure of a mutant plastocyanin bearing a 21 engineered disulfide bridge. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 1735-1738.	2.5	12
133	Intensity fluctuations of the copper site resonant vibrational modes as observed by MD simulation in single plastocyanin molecule. <i>Chemical Physics Letters</i> , 2001, 349, 503-510.	1.2	12
134	Structure-function relationship in Escherichia coli initiation factors. <i>Archives of Biochemistry and Biophysics</i> , 1982, 217, 47-57.	1.4	11
135	Temperature dependence of the g values in blue copper protein epr spectra. <i>Chemical Physics Letters</i> , 1987, 133, 109-112.	1.2	11
136	Use of PDDTBN spin probe in partition studies of lipid membranes. <i>Chemical Physics Letters</i> , 1988, 153, 263-267.	1.2	11
137	Role of vibronic coupling and of conformational substate distribution in determining the features of copper-protein EPR spectra. <i>Applied Magnetic Resonance</i> , 1990, 1, 369.	0.6	11
138	Continuous-wave and pulsed-EPR study of the Cu ²⁺ -doped NaOD-water system in the amorphous and polycrystalline phases. <i>Physical Review B</i> , 1993, 48, 13474-13480.	1.1	11
139	A nanotechnological, molecular-modeling, and immunological approach to study the interaction of the anti-tumorigenic peptide p28 with the p53 family of proteins. <i>International Journal of Nanomedicine</i> , 2014, 9, 1799.	3.3	11
140	MDM2–MDM4 molecular interaction investigated by atomic force spectroscopy and surface plasmon resonance. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 4221-4229.	3.3	11
141	Amorphous-polycrystalline transition in frozen aqueous solutions of Cu ²⁺ -doped sodium hydroxide probed by ESR spectroscopy. <i>Solid State Communications</i> , 1988, 68, 369-373.	0.9	10
142	Hydrogen-bond cooperativity and free-volume effects on normal and supercooled water self-diffusion. <i>Physical Review A</i> , 1992, 46, R7367-R7370.	1.0	10
143	Observation of Terahertz Vibrations in the Nitrogenase FeMo Cofactor by Femtosecond Pump–Probe Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3912-3915.	7.2	10
144	Excitation of the ligand-to-metal charge transfer band induces electron tunnelling in azurin. <i>Applied Physics Letters</i> , 2014, 104, 093702.	1.5	10

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145	Spectroscopic and computer simulation study on paramagnetic copper-containing plastocyanin. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1986, 8, 76-90.	0.4	9
146	IEEE-488 bus compatible computer interface for an EPR spectrometer. Journal of Physics E: Scientific Instruments, 1989, 22, 702-708.	0.7	9
147	Distribution of the iron ²⁺ heme displacement as resulting from myoglobin conformational substates: An AOM approach to the interpretation of the EPR spe. Biophysical Chemistry, 1993, 46, 117-129.	1.5	9
148	Thermal unfolding studies of a phytocyanin. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 1997-2003.	1.1	9
149	Biomolecule recognition using piezoresistive nanomechanical force probes. Applied Physics Letters, 2013, 102, 253701.	1.5	9
150	Small angle neutron scattering and spin labeling of human ceruloplasmin. Physics Letters, Section A: General, Atomic and Solid State Physics, 1984, 101, 175-177.	0.9	8
151	Dynamic light scattering evidence of a 'fragile' character of protein aqueous solutions. Chemical Physics Letters, 1999, 310, 130-136.	1.2	8
152	Investigation of a Direct Interaction between miR4749 and the Tumor Suppressor p53 by Fluorescence, FRET and Molecular Modeling. Biomolecules, 2020, 10, 346.	1.8	8
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