Salvatore Cannistraro

List of Publications by Year
in descending order

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210	5,289	101384	133063
papers	citations	36 h-index	59 g-index

214	214	214	4869
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interaction between miR4749 and Human Serum Albumin as Revealed by Fluorescence, FRET, Atomic Force Spectroscopy and Computational Modelling. International Journal of Molecular Sciences, 2022, 23, 1291.	1.8	4
2	A Competitive O-Acetylserine Sulfhydrylase Inhibitor Modulates the Formation of Cysteine Synthase Complex. Catalysts, 2021, 11, 700.	1.6	4
3	Temperature Modulation of the DBDp53 Structure as Monitored by Static and Time-Resolved Fluorescence Combined with Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2021, 125, 10166-10173.	1.2	2
4	Direct Interaction of miRNA and circRNA with the Oncosuppressor p53: An Intriguing Perspective in Cancer Research. Cancers, 2021, 13, 6108.	1.7	7
5	A Reliable BioFET Immunosensor for Detection of p53 Tumour Suppressor in Physiological-Like Environment. Sensors, 2020, 20, 6364.	2.1	18
6	Time-Resolved Fluorescence and Essential Dynamics Study on the Structural Heterogeneity of p53DBD Bound to the Anticancer p28 Peptide. Journal of Physical Chemistry B, 2020, 124, 9820-9828.	1.2	3
7	Toward Cancer Diagnostics of the Tumor Suppressor p53 by Surface Enhanced Raman Spectroscopy. Sensors, 2020, 20, 7153.	2.1	3
8	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
9	Portable Immunosensor Based on Extended Gateâ€"Field Effect Transistor for Rapid, Sensitive Detection of Cancer Markers. Proceedings (mdpi), 2019, 15, .	0.2	1
10	Raman Evidence of p53-DBD Disorder Decrease upon Interaction with the Anticancer Protein Azurin. International Journal of Molecular Sciences, 2019, 20, 3078.	1.8	13
11	Probing direct interaction of oncomiR-21-3p with the tumor suppressor p53 by fluorescence, FRET and atomic force spectroscopy. Archives of Biochemistry and Biophysics, 2019, 671, 35-41.	1.4	16
12	Interaction Force Fluctuations in Antigenâ€"Antibody Biorecognition Studied by Atomic Force Spectroscopy. ACS Omega, 2019, 4, 3627-3634.	1.6	3
13	Interaction of human hemoglobin and semi-hemoglobins with the Staphylococcus aureus hemophore IsdB: a kinetic and mechanistic insight. Scientific Reports, 2019, 9, 18629.	1.6	21
14	Interaction of the anticancer p28 peptide with p53-DBD as studied by fluorescence, FRET, docking and MD simulations. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 342-350.	1.1	20
15	Surface enhanced Raman spectroscopy based immunosensor for ultrasensitive and selective detection of wild type p53 and mutant p53R175H. Analytica Chimica Acta, 2018, 1029, 86-96.	2.6	29
16	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. International Journal of Nanomedicine, 2018, Volume 13, 251-259.	3.3	16
17	Structural Characterization of the Intrinsically Disordered Protein p53 Using Raman Spectroscopy. Applied Spectroscopy, 2017, 71, 823-832.	1.2	26
18	Binding of Amphipathic Cell Penetrating Peptide p28 to Wild Type and Mutated p53 as studied by Raman, Atomic Force and Surface Plasmon Resonance spectroscopies. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 910-921.	1.1	20

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19	Binding kinetics of mutant p53R175H with wild type p53 and p63: A Surface Plasmon Resonance and Atomic Force Spectroscopy study. Biophysical Chemistry, 2017, 228, 55-61.	1.5	5
20	Structure, Dynamics, and Electron Transfer of Azurin Bound to a Gold Electrode. Langmuir, 2017, 33, 9190-9200.	1.6	5
21	Vibrational Changes Induced by Electron Transfer in Surface Bound Azurin Metalloprotein Studied by Tip-Enhanced Raman Spectroscopy and Scanning Tunneling Microscopy. ACS Nano, 2017, 11, 12824-12831.	7.3	25
22	Surface Plasmon Resonance Sensing of Biorecognition Interactions within the Tumor Suppressor p53 Network. Sensors, 2017, 17, 2680.	2.1	22
23	MDM2–MDM4 molecular interaction investigated by atomic force spectroscopy and surface plasmon resonance. International Journal of Nanomedicine, 2016, Volume 11, 4221-4229.	3.3	11
24	Electron transfer, conduction and biorecognition properties of the redox metalloprotein Azurin assembled onto inorganic substrates. European Polymer Journal, 2016, 83, 407-427.	2.6	32
25	Revisitation of FRET methods to measure intraprotein distances in Human Serum Albumin. Journal of Luminescence, 2016, 179, 322-327.	1.5	6
26	Kinetics and binding geometries of the complex between Î²2-microglobulin and its antibody: An AFM and SPR study. Biophysical Chemistry, 2016, 211, 19-27.	1.5	18
27	Chirality Switching within an Anionic Cell-Penetrating Peptide Inhibits Translocation without Affecting Preferential Entry. Molecular Pharmaceutics, 2015, 12, 140-149.	2.3	31
28	Calcium Ions Modulate the Mechanics of Tomato Bushy Stunt Virus. Biophysical Journal, 2015, 109, 390-397.	0.2	25
29	Electron tunnelling through single azurin molecules can be on/off switched by voltage pulses. Applied Physics Letters, 2015, 106, 183701.	1.5	15
30	A nanotechnological, molecular-modeling, and immunological approach to study the interaction of the anti-tumorigenic peptide p28 with the p53 family of proteins. International Journal of Nanomedicine, 2014, 9, 1799.	3.3	11
31	Binding of azurin to cytochrome c 551 as investigated by surface plasmon resonance and fluorescence. Journal of Molecular Recognition, 2014, 27, 124-130.	1.1	14
32	Antigenâ€“antibody biorecognition events as discriminated by noise analysis of force spectroscopy curves. Nanotechnology, 2014, 25, 335102.	1.3	17
33	Nanostructured enzymatic biosensor based on fullerene and gold nanoparticles: Preparation, characterization and analytical applications. Biosensors and Bioelectronics, 2014, 55, 430-437.	5.3	111
34	Interaction of mutant p53 with p73: A Surface Plasmon Resonance and Atomic Force Spectroscopy study. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 1958-1964.	1.1	15
35	Excitation of the ligand-to-metal charge transfer band induces electron tunnelling in azurin. Applied Physics Letters, 2014, 104, 093702.	1.5	10
36	Detection of persistent organic pollutants binding modes with androgen receptor ligand binding domain by docking and molecular dynamics. BMC Structural Biology, 2013, 13, 16.	2.3	7

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37	Inhibition of CK2 Activity by TCDD via binding to ATP-competitive binding site of catalytic subunit: Insight from computational studies. Chemical Research in Chinese Universities, 2013, 29, 299-306.	1.3	1
38	p28, A first in class peptide inhibitor of cop1 binding to p53. British Journal of Cancer, 2013, 108, 2495-2504.	2.9	62
39	Conductive atomic force microscopy study of single molecule electron transport through the Azurin-gold nanoparticle system. Applied Physics Letters, 2013, 102, 203704.	1.5	14
40	Biomolecule recognition using piezoresistive nanomechanical force probes. Applied Physics Letters, 2013, 102, 253701.	1.5	9
41	1/fÎ±Noise in the Dynamic Force Spectroscopy Curves Signals the Occurrence of Biorecognition. Physical Review Letters, 2013, 110, 048104.	2.9	21
42	Ultrafast Pumpâ€“Probe Study of the Excited-State Charge-Transfer Dynamics in Blue Copper Rusticyanin. Journal of Physical Chemistry B, 2012, 116, 4192-4198.	1.2	15
43	Surface-enhanced Raman scattering detection of wild-type and mutant p53 proteins at very low concentration in human serum. Analytical Biochemistry, 2012, 421, 9-15.	1.1	70
44	Influence of the immobilization procedures on the electroanalytical performances of Trametes versicolor laccase based bioelectrode. Microchemical Journal, 2012, 100, 8-13.	2.3	36
45	Abstract 2870: p28, a cell penetrating peptide fragment of azurin, inhibits COP1 mediated ubiquitination of wild type and mutated p53, but does not alter intracellular levels ofc-jun. , 2012, , .		0
46	Free energy evaluation of the p53-Mdm2 complex from unbinding work measured by dynamic force spectroscopy. Physical Chemistry Chemical Physics, 2011, 13, 2738-2743.	1.3	14
47	Chemically Modified Multiwalled Carbon Nanotubes Electrodes with Ferrocene Derivatives through Reactive Landing. Journal of Physical Chemistry C, 2011, 115, 4863-4871.	1.5	23
48	Interaction of an anticancer peptide fragment of azurin with p53 and its isolated domains studied by atomic force spectroscopy. International Journal of Nanomedicine, 2011, 6, 3011.	3.3	50
49	SERS-based nanobiosensing for ultrasensitive detection of the p53 tumor suppressor. International Journal of Nanomedicine, 2011, 6, 2033.	3.3	34
50	Azurin modulates the association of Mdm2 with p53: SPR evidence from interaction of the fullâ€length proteins. Journal of Molecular Recognition, 2011, 24, 707-714.	1.1	26
51	Modelling the interaction between the p53 DNAâ€binding domain and the p28 peptide fragment of Azurin. Journal of Molecular Recognition, 2011, 24, 1043-1055.	1.1	25
52	Highly Conductive Redox Proteinâ€“Carbon Nanotube Complex for Biosensing Applications. Advanced Functional Materials, 2011, 21, 153-157.	7.8	15
53	Interaction of p53 with Mdm2 and azurin as studied by atomic force spectroscopy. Journal of Molecular Recognition, 2010, 23, 343-351.	1.1	25
54	Lying-Down Metallic Single-Walled Carbon Nanotubes as Efficient Linkers for Metalloprotein-Based Nanodevices. Journal of Nanoscience and Nanotechnology, 2010, 10, 2753-2758.	0.9	4

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55	Observation of Terahertz Vibrations in the Nitrogenase FeMo Cofactor by Femtosecond Pumpâ€“Probe Spectroscopy. Angewandte Chemie - International Edition, 2010, 49, 3912-3915.	7.2	10
56	The application of atomic force spectroscopy to the study of biological complexes undergoing a biorecognition process. Chemical Society Reviews, 2010, 39, 734-749.	18.7	120
57	Modeling the interaction between the Nâ€terminal domain of the tumor suppressor p53 and azurin. Journal of Molecular Recognition, 2009, 22, 215-222.	1.1	23
58	A combined atomic force microscopy imaging and docking study to investigate the complex between p53 DNA binding domain and Azurin. Journal of Molecular Recognition, 2009, 22, 506-515.	1.1	13
59	Optical investigation of the electron transfer protein azurinâ€“gold nanoparticle system. Biophysical Chemistry, 2009, 139, 1-7.	1.5	48
60	Surface-enhanced Raman spectroscopy combined with atomic force microscopy for ultrasensitive detection of thrombin. Analytical Biochemistry, 2009, 393, 149-154.	1.1	23
61	Atomic Force Spectroscopy in Biological Complex Formation: Strategies and Perspectives. Journal of Physical Chemistry B, 2009, 113, 16449-16464.	1.2	44
62	Probing the interaction between p53 and the bacterial protein azurin by single molecule force spectroscopy. Journal of Molecular Recognition, 2008, 21, 63-70.	1.1	59
63	Thermal unfolding studies of a phytocyanin. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 1997-2003.	1.1	9
64	Optical and electronic coupling of the redox copper Azurin on ITO-coated quartz substrate. Biosensors and Bioelectronics, 2008, 24, 204-209.	5.3	15
65	Protein and Electrode Engineering for the Covalent Immobilization of P450 BMP on Gold. Analytical Chemistry, 2008, 80, 8438-8446.	3.2	63
66	Yeast cytochrome c integrated with electronic elements: a nanoscopic and spectroscopic study down to single-molecule level. Journal of Physics Condensed Matter, 2007, 19, 225009.	0.7	14
67	Conductive atomic force microscopy investigation of transverse current across metallic and semiconducting single-walled carbon nanotubes. Applied Physics Letters, 2007, 91, 122103.	1.5	14
68	Statistical analysis of intensity fluctuations in single molecule SERS spectra. Physical Chemistry Chemical Physics, 2007, 9, 5315.	1.3	23
69	Functional Metalloproteins Integrated with Conductive Substrates:Â Detecting Single Molecules and Sensing Individual Recognition Events. Journal of Physical Chemistry B, 2007, 111, 5062-5075.	1.2	40
70	Docking and molecular dynamics simulation of the Azurinâ€“Cytochrome c551 electron transfer complex. Journal of Molecular Recognition, 2007, 20, 122-131.	1.1	24
71	Docking study and free energy simulation of the complex between p53 DNAâ€binding domain and azurin. Journal of Molecular Recognition, 2007, 20, 215-226.	1.1	54
72	SERS detection of thrombin by protein recognition using functionalized gold nanoparticles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2007, 3, 306-310.	1.7	58

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73	Observation of terahertz vibrations in Pyrococcus furiosus rubredoxin via impulsive coherent vibrational spectroscopy and nuclear resonance vibrational spectroscopy â€“ interpretation by molecular mechanics. Journal of Inorganic Biochemistry, 2007, 101, 375-384.	1.5	17
74	Nanoscopic and Redox Characterization of Engineered Horse Cytochrome c Chemisorbed on a Bare Gold Electrode. Protein Journal, 2007, 26, 271-279.	0.7	4
75	Optimized Biorecognition of Cytochromec551 and Azurin Immobilized on Thiol-Terminated Monolayers Assembled on Au(111) Substrates. Journal of Physical Chemistry B, 2006, 110, 14574-14580.	1.2	36
76	Quenching and Blinking of Fluorescence of a Single Dye Molecule Bound to Gold Nanoparticles. Journal of Physical Chemistry B, 2006, 110, 16491-16498.	1.2	85
77	Ultrafast Pumpâ^'Probe Study of Excited-State Charge-Transfer Dynamics in Umecyanin from Horseradish Root. Journal of Physical Chemistry B, 2006, 110, 17252-17259.	1.2	26
78	Time-dependent study of single-molecule SERS signal from yeast cytochrome c. Chemical Physics, 2006, 326, 356-362.	0.9	26
79	Assembling of redox proteins on Au(111) surfaces: A scanning probe microscopy investigation for application in bio-nanodevices. Thin Solid Films, 2006, 515, 212-219.	0.8	15
80	Electron tunneling in a metal-protein-metal junction investigated by scanning tunneling and conductive atomic force spectroscopies. Applied Physics Letters, 2006, 89, 183125.	1.5	23
81	Temporal Fluctuations in Single-Molecule SERS Spectra. , 2006, , 279-296.		7
82	Temporal Fluctuations in Single-Molecule SERS Spectra. , 2006, , 279-296.		0
83	Conductive atomic force microscopy study of plastocyanin molecules adsorbed on gold electrode. Surface Science, 2005, 598, 68-77.	0.8	29
84	Single-molecule detection of yeast cytochrome c by Surface-Enhanced Raman Spectroscopy. Biophysical Chemistry, 2005, 113, 41-51.	1.5	89
85	LÃ©vy Statistics of Vibrational Mode Fluctuations of Single Molecules from Surface-Enhanced Raman Scattering. Physical Review Letters, 2005, 94, 068303.	2.9	51
86	SERS and Tunneling Spectroscopy Investigation of Iron-Protoporphyrin IX Adsorbed on a Silver Tip. Journal of Physical Chemistry B, 2005, 109, 16571-16574.	1.2	15
87	Optical Spectroscopic Investigation of the Alkaline Transition in Umecyanin from Horseradish Rootâ€. Biochemistry, 2005, 44, 16090-16097.	1.2	14
88	Single Molecule Recognition between Cytochrome C 551 and Gold-Immobilized Azurin by Force Spectroscopy. Biophysical Journal, 2005, 89, 2783-2791.	0.2	82
89	Tip to substrate distances in STM imaging of biomolecules. Ultramicroscopy, 2004, 101, 231-240.	0.8	20
90	The electrochemical characteristics of blue copper protein monolayers on gold. Journal of Electroanalytical Chemistry, 2004, 565, 21-28.	1.9	70

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91	Evidence of electron-transfer in the SERS spectra of a single iron-protoporphyrin IX molecule. Chemical Physics Letters, 2004, 395, 222-226.	1.2	26
92	Scanning tunneling spectroscopy investigation of self-assembled plastocyanin mutants onto gold substrates under controlled environment. Biophysical Chemistry, 2004, 107, 107-116.	1.5	13
93	Thermal stability of wild type and disulfide bridge containing mutant of poplar plastocyanin. Biophysical Chemistry, 2004, 112, 35-43.	1.5	13
94	Topological and Electron-Transfer Properties of Yeast Cytochrome c Adsorbed on Bare Gold Electrodes. ChemPhysChem, 2003, 4, 1183-1188.	1.0	49
95	A Combined Atomic Force Microscopy and Molecular Dynamics Simulation Study on a Plastocyanin Mutant Chemisorbed on a Gold Surface. ChemPhysChem, 2003, 4, 1189-1195.	1.0	22
96	Scanning probe microscopy characterization of gold-chemisorbed poplar plastocyanin mutants. Surface Science, 2003, 530, 181-194.	0.8	40
97	The low frequency vibrational modes of green fluorescent proteins. Chemical Physics, 2003, 287, 33-42.	0.9	31
98	Temporal fluctuations in the SERRS spectra of single ironâ€“protoporphyrin IX molecule. Chemical Physics, 2003, 290, 297-306.	0.9	39
99	MD simulation of a plastocyanin mutant adsorbed onto a gold surface. Biophysical Chemistry, 2003, 106, 111-123.	1.5	36
100	Excited state charge-transfer dynamics study of poplar plastocyanin by ultrafast pump-probe spectroscopy and molecular dynamics simulation. Biophysical Chemistry, 2003, 106, 221-231.	1.5	22
101	Study of the Î² relaxation in supercooled confined water. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 507-515.	0.6	0
102	Dynamics of Different Hydrogen Classes in Î²-lactoglobulin:â€‰ A Quasielastic Neutron Scattering Investigation. Journal of Physical Chemistry B, 2002, 106, 7348-7354.	1.2	21
103	Surface-Enhanced Resonance Raman Spectroscopy Signals from Single Myoglobin Molecules. Applied Spectroscopy, 2002, 56, 1531-1537.	1.2	91
104	A Poplar Plastocyanin Mutant Suitable for Adsorption onto Gold Surface via Disulfide Bridge. Archives of Biochemistry and Biophysics, 2002, 399, 81-88.	1.4	40
105	Molecular Dynamics of Water at the Proteinâ^'Solvent Interface. Journal of Physical Chemistry B, 2002, 106, 6617-6633.	1.2	484
106	Effects of Somatostatin on Intracellular Calcium Concentration in PC12 Cells. Journal of Neurochemistry, 2002, 66, 485-492.	2.1	19
107	Temporal fluctuations in the potential energy of proteins: 1/fÎ± noise and diffusion. Physica D: Nonlinear Phenomena, 2002, 165, 242-250.	1.3	35
108	Vibrational coherence in Azurin with impulsive excitation of the LMCT absorption band. Chemical Physics Letters, 2002, 362, 497-503.	1.2	31

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109	Low-frequency Vibrational Anomalies in Î²-Lactoglobulin:Â Contribution of Different Hydrogen Classes Revealed by Inelastic Neutron Scattering. Journal of Physical Chemistry B, 2001, 105, 12150-12156.	1.2	35
110	Low-frequency vibrational modes in proteins: a neutron scattering investigation. European Biophysics Journal, 2001, 30, 443-449.	1.2	21
111	Concerted motions in copper plastocyanin and azurin: an essential dynamics study. Biophysical Chemistry, 2001, 90, 45-56.	1.5	46
112	Molecular dynamics simulation and essential dynamics study of mutated plastocyanin: structural, dynamical and functional effects of a disulfide bridge insertion at the protein surface. Biophysical Chemistry, 2001, 92, 183-199.	1.5	26
113	Potential-induced resonant tunneling through a redox metalloprotein investigated by electrochemical scanning probe microscopy. Ultramicroscopy, 2001, 89, 291-298.	0.8	74
114	The 1.6â€…Ã… resolution crystal structure of a mutant plastocyanin bearing a 21â€“25 engineered disulfide bridge. Acta Crystallographica Section D: Biological Crystallography, 2001, 57, 1735-1738.	2.5	12
115	Intensity fluctuations of the copper site resonant vibrational modes as observed by MD simulation in single plastocyanin molecule. Chemical Physics Letters, 2001, 349, 503-510.	1.2	12
116	Low frequency scattering excess in supercooled confined water. Journal of Chemical Physics, 2001, 114, 10010-10014.	1.2	29
117	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
118	Two-photon autofluorescence microscopy and spectroscopy of Antarctic fungus: New approach for studying effects of UV-B irradiation. Biopolymers, 2000, 57, 218-225.	1.2	17
119	Low frequency vibrational anomalies in hydrated copper azurin: A neutron scattering and MD simulation study. Journal of Molecular Liquids, 2000, 84, 3-16.	2.3	16
120	A Monte Carlo analysis of the elastic incoherent neutron scattering data in hydrated azurin. Chemical Physics, 2000, 261, 39-45.	0.9	3
121	Glasslike dynamical behavior of the plastocyanin hydration water. Physical Review E, 2000, 62, 3991-3999.	0.8	48
122	Neutron scattering evidence of a boson peak in protein hydration water. Physical Review E, 1999, 60, R2476-R2479.	0.8	55
123	Low frequency anomaly in the hydration water of Copper Azurin. Physica B: Condensed Matter, 1999, 269, 409-415.	1.3	2
124	Molecular dynamics simulation of plastocyanin potential energy fluctuations: 1/f noise. Physica A: Statistical Mechanics and Its Applications, 1999, 267, 257-270.	1.2	27
125	Long-term molecular dynamics simulation of copper azurin: structure, dynamics and functionality. Biophysical Chemistry, 1999, 78, 247-257.	1.5	33
126	Dynamic light scattering evidence of a `fragile' character of protein aqueous solutions. Chemical Physics Letters, 1999, 310, 130-136.	1.2	8

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127	Incoherent neutron scattering of copper azurin: a comparison with molecular dynamics simulation results. European Biophysics Journal, 1999, 28, 447-456.	1.2	44
128	Fractional Stokesâ^'Einstein Relationship in Biological Colloids:Â Role of Mixed Stickâ^'Slip Boundary Conditions. Journal of Physical Chemistry B, 1999, 103, 1746-1751.	1.2	13
129	Molecular dynamics simulation of inelastic neutron scattering spectra of Copper Azurin hydration water. , 1999, , .		0
130	Role of interfacial water in the molecular dynamics-simulated dynamical transition of plastocyanin. Chemical Physics Letters, 1998, 291, 7-14.	1.2	52
131	Molecular-dynamics simulation evidences of a boson peak in protein hydration water. Physical Review E, 1998, 57, R6277-R6280.	0.8	30
132	Water dynamical anomalies evidenced by molecular-dynamics simulations at the solvent-protein interface. Physical Review E, 1998, 57, 3315-3325.	0.8	166
133	A dynamic light scattering study on mutual diffusion coefficient of BSA in concentrated aqueous solutions. Europhysics Letters, 1998, 43, 476-481.	0.7	25
134	Anomalous and anisotropic diffusion of plastocyanin hydration water. Europhysics Letters, 1997, 37, 201-206.	0.7	24
135	Solvent effects on the distribution of conformational substates in native and azide reacted Cu, Zn superoxide dismutase. European Biophysics Journal, 1997, 26, 291-297.	1.2	4
136	Fluorescence study on whole Antarctic fungal spores under enhanced UV irradiation. Journal of Photochemistry and Photobiology B: Biology, 1997, 39, 258-264.	1.7	22
137	Flickering noise in the potential energy fluctuations of proteins as investigated by MD simulation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 236, 596-601.	0.9	25
138	Water residence times around copper plastocyanin: a molecular dynamics simulation approach. Chemical Physics, 1997, 214, 261-276.	0.9	57
139	An EPR investigation on the structural heterogeneity in copper azurin and plastocyanin. Biophysical Chemistry, 1997, 63, 211-219.	1.5	13
140	Long-term molecular dynamics simulation of copper plastocyanin in water. Biophysical Chemistry, 1997, 69, 185-198.	1.5	30
141	Molecular dynamics simulation evidence of anomalous diffusion of protein hydration water. Physical Review E, 1996, 53, R3040-R3043.	0.8	79
142	Origin of the anomalous diffusion observed by MD simulation at the protein-water interface. Chemical Physics Letters, 1996, 263, 559-566.	1.2	50
143	Effect of ethanol addition upon the structure and the cooperativity of the water H bond network. Chemical Physics, 1996, 213, 95-110.	0.9	19
144	Hydrogen bond analysis by MD simulation of copper plastocyanin at different hydration levels. Chemical Physics, 1995, 201, 463-472.	0.9	37

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145	Cooperativity and hydrogen bond network lifetime in liquid water. Physical Review E, 1995, 52, 4529-4532.	0.8	12
146	Hyperfine line shift in the EPR spectra of randomly oriented Cu(II) containing systems with axial symmetry. Molecular Physics, 1995, 85, 913-929.	0.8	7
147	Solvent Stokes-Einstein violation in aqueous protein solutions. Physical Review E, 1994, 49, 5878-5880.	0.8	16
148	Role of hydrogen-bond cooperativity and free-volume fluctuations in the non-Arrhenius behavior of water self-diffusion: A continuity-of-states model. Physical Review E, 1994, 49, 2841-2850.	0.8	37
149	Reconstitution of 5?-nucleotidase of bull seminal plasma in spin-labeled liposomes. Journal of Membrane Biology, 1994, 142, 137-44.	1.0	5
150	Molecular dynamics of copper plastocyanin: simulations of structure and dynamics as a function of hydration. Chemical Physics, 1994, 183, 155-166.	0.9	23
151	Rotational dynamics of Di-tert-butyl-nitroxide in normal and supercooled water: an electron paramagnetic resonance study. Applied Magnetic Resonance, 1994, 7, 537-550.	0.6	3
152	Temperature dependence of theg=6 EPR linewidth in high spin FeIII myoglobin samples. Applied Magnetic Resonance, 1994, 6, 575-586.	0.6	1
153	Distribution of the ironâ€"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
154	Solvent modulation of the structural heterogeneity in FeIII myoglobin samples: a low temperature EPR investigation. European Biophysics Journal, 1993, 22, 259-67.	1.2	26
155	Continuous-wave and pulsed-EPR study of theCu2+65-doped NaOD-water system in the amorphous and polycrystalline phases. Physical Review B, 1993, 48, 13474-13480.	1.1	11
156	Hydrogen-bond cooperativity and free-volume effects on normal and supercooled water self-diffusion. Physical Review A, 1992, 46, R7367-R7370.	1.0	10
157	Solvent effects on myoglobin conformational substates as studied by electron paramagnetic resonance. Biophysical Chemistry, 1992, 42, 79-85.	1.5	17
158	Conformational substate distribution in low spin ferric myoglobin as studied by electron paramagnetic resonance. Applied Magnetic Resonance, 1992, 3, 1033-1043.	0.6	1
159	Hydration and protein dynamics: an ESR and ST-ESR spin labelling study of human serum albumin. Applied Magnetic Resonance, 1992, 3, 1045-1060.	0.6	6
160	An electron paramagnetic resonance study of conformational substate distribution in high spin heme-proteins. Applied Magnetic Resonance, 1991, 2, 627-645.	0.6	7
161	Simple, low frequency, fast recovery crossed coil probe for pulsed NMR. Applied Magnetic Resonance, 1991, 2, 1-7.	0.6	3
162	1H NMR study of water relaxation and self-diffusion in human serum albumin aqueous solutions. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1991, 13, 261.	0.4	5

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163	Fast-recovery crossed-coil probe for low frequency solid-state NMR. Measurement Science and Technology, 1991, 2, 934-937.	1.4	3
164	Nuclear magnetic relaxation and dynamics of biopolymers. Applied Magnetic Resonance, 1990, 1, 85-91.	0.6	2
165	Role of vibronic coupling and of conformational substate distribution in determining the features of copper-protein EPR spectra. Applied Magnetic Resonance, 1990, 1, 369.	0.6	11
166	A near-infrared study of hydrogen bonding in human albumin aqueous solutions. Chemical Physics Letters, 1990, 172, 312-316.	1.2	6
167	EPR determination of electron-transfer rate within ceruloplasmin, a copper-protein with a likely superconductive behaviour. Chemical Physics Letters, 1990, 168, 293-296.	1.2	0
168	A spin label ESR and saturation transfer ESR study of Î±-tocopherol containing model membranes. Chemistry and Physics of Lipids, 1990, 53, 17-26.	1.5	27
169	Role of vibronic coupling for the temperature dependence of the g-tensor in proteins containing trigonal copper(II) ions. Chemical Physics, 1990, 148, 451-455.	0.9	4
170	Electron spin relaxation measurements on the blue-copper protein plastocyanin. Biophysical Journal, 1990, 57, 157-162.	0.2	26
171	Distribution of conformational states as common source of g-and A-strain in the ESR spectra of proteins and glasses. Journal De Physique, 1990, 51, 131-139.	1.8	24
172	Model membrane partition ESR study in the presence of Î±-tocopherol by a new spin probe. Bioscience Reports, 1989, 9, 489-495.	1.1	6
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