

Mauro Fasano

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

182
papers

8,195
citations

39
h-index

85
g-index

197
ext. papers

9,163
ext. citations

5
avg, IF

5.79
L-index

#	Paper	IF	Citations
182	Whole Exome Sequencing in 16p13.11 Microdeletion Patients Reveals New Variants Through Deductive and Systems Medicine Approaches.. <i>Frontiers in Genetics</i> , 2022 , 13, 798607	4.5	1
181	Diagnostic Salivary Tests for SARS-CoV-2. <i>Journal of Dental Research</i> , 2021 , 100, 115-123	8.1	20
180	Demonstration of fibrinogen-FcRn binding at acidic pH by means of Fluorescence Correlation Spectroscopy. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 536, 32-37	3.4	
179	Gene Set Enrichment Analysis of Interaction Networks Weighted by Node Centrality. <i>Frontiers in Genetics</i> , 2021 , 12, 577623	4.5	7
178	Low noncarbonic buffer power amplifies acute respiratory acid-base disorders in patients with sepsis: an in vitro study. <i>Journal of Applied Physiology</i> , 2021 , 131, 464-473	3.7	4
177	Repeat Expansion Affects the Proteome of Primary Skin Fibroblasts in ALS. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
176	Features Selection and Extraction in Statistical Analysis of Proteomics Datasets. <i>Methods in Molecular Biology</i> , 2021 , 2361, 143-159	1.4	0
175	Exploring the Impact of Mutations on the Total and Mitochondrial Proteome of Human Skin Fibroblasts. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 423	5.7	4
174	Rapid Salivary Test suitable for a mass screening program to detect SARS-CoV-2: A diagnostic accuracy study. <i>Journal of Infection</i> , 2020 , 81, e75-e78	18.9	45
173	Proteostasis and Proteotoxicity in the Network Medicine Era. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
172	Saliva is a reliable tool to detect SARS-CoV-2. <i>Journal of Infection</i> , 2020 , 81, e45-e50	18.9	409
171	Mycobacterial and Human Nitrobindins: Structure and Function. <i>Antioxidants and Redox Signaling</i> , 2020 , 33, 229-246	8.4	9
170	Exploring the Mitochondrial Degradome by the TAILS Proteomics Approach in a Cellular Model of Parkinson's Disease. <i>Frontiers in Aging Neuroscience</i> , 2019 , 11, 195	5.3	3
169	Mitochondrial Proteins in the Development of Parkinson's Disease. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1158, 17-44	3.6	2
168	Statistical analysis of proteomics data: A review on feature selection. <i>Journal of Proteomics</i> , 2019 , 198, 18-26	3.9	36
167	Deinococcus radiodurans' SRA-HNH domain containing protein Shp (Dr1533) is involved in faithful genome inheritance maintenance following DNA damage. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019 , 1863, 118-129	4	4
166	Mitochondrial alterations in Parkinson's disease human samples and cellular models. <i>Neurochemistry International</i> , 2018 , 118, 61-72	4.4	26

165	Neonatal Fc receptor is involved in the protection of fibrinogen after its intake in peripheral blood mononuclear cells. <i>Journal of Translational Medicine</i> , 2018 , 16, 64	8.5	1
164	Adolescent THC exposure in female rats leads to cognitive deficits through a mechanism involving chromatin modifications in the prefrontal cortex. <i>Journal of Psychiatry and Neuroscience</i> , 2018 , 43, 87-104	5	37
163	Update of the Functional Mitochondrial Human Proteome Network. <i>Journal of Proteome Research</i> , 2018 , 17, 4297-4306	5.6	4
162	Cantharidin inhibits competitively heme-Fe(III) binding to the FA1 site of human serum albumin. <i>Journal of Molecular Recognition</i> , 2017 , 30, e2641	2.6	8
161	Chemical Shift and Relaxation Reagents in NMR 2017 , 195-202		
160	Toward the Standardization of Mitochondrial Proteomics: The Italian Mitochondrial Human Proteome Project Initiative. <i>Journal of Proteome Research</i> , 2017 , 16, 4319-4329	5.6	23
159	Warfarin inhibits allosterically the reductive nitrosylation of ferric human serum heme-albumin. <i>Journal of Inorganic Biochemistry</i> , 2017 , 177, 63-75	4.2	4
158	The drug-dependent five- to six-coordination transition of the heme-Fe atom modulates allosterically human serum heme-albumin reactivity. <i>Rendiconti Lincei</i> , 2017 , 28, 207-215	1.7	2
157	Towards a functional definition of the mitochondrial human proteome. <i>EuPA Open Proteomics</i> , 2016 , 10, 24-27	0.1	7
156	All-trans-retinoic acid and retinol binding to the FA1 site of human serum albumin competitively inhibits heme-Fe(III) association. <i>Archives of Biochemistry and Biophysics</i> , 2016 , 590, 56-63	4.1	12
155	Dopamine induces mitochondrial depolarization without activating PINK1-mediated mitophagy. <i>Journal of Neurochemistry</i> , 2016 , 136, 1219-1231	6	19
154	Experimental setup for the identification of mitochondrial protease substrates by shotgun and top-down proteomics. <i>EuPA Open Proteomics</i> , 2016 , 11, 1-3	0.1	2
153	A systems biology-led insight into the role of the proteome in neurodegenerative diseases. <i>Expert Review of Proteomics</i> , 2016 , 13, 845-55	4.2	12
152	Heme-albumin: an honorary enzyme. <i>Cell Death and Disease</i> , 2015 , 6, e1895	9.8	3
151	Heme-based catalytic properties of human serum albumin. <i>Cell Death Discovery</i> , 2015 , 1, 15025	6.9	42
150	Cellular response to empty and palladium-conjugated amino-polystyrene nanospheres uptake: a proteomic study. <i>Proteomics</i> , 2015 , 15, 34-43	4.8	6
149	Systems biology analysis of the proteomic alterations induced by MPP(+), a Parkinson's disease-related mitochondrial toxin. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 14	6.1	20
148	Ligand binding to the FA3-FA4 cleft inhibits the esterase-like activity of human serum albumin. <i>PLoS ONE</i> , 2015 , 10, e0120603	3.7	7

147	Drugs modulate allosterically heme-Fe-recognition by human serum albumin and heme-fe-mediated reactivity. <i>Current Pharmaceutical Design</i> , 2015 , 21, 1837-47	3.3	8
146	Mitochondrial proteomics investigation of a cellular model of impaired dopamine homeostasis, an early step in Parkinson's disease pathogenesis. <i>Molecular BioSystems</i> , 2014 , 10, 1332-44		30
145	Altered dopamine homeostasis differentially affects mitochondrial voltage-dependent anion channels turnover. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014 , 1842, 1816-22	6.9	14
144	Verification of a Parkinson's disease protein signature in T-lymphocytes by multiple reaction monitoring. <i>Journal of Proteome Research</i> , 2014 , 13, 3554-61	5.6	15
143	Clinical relevance of drug binding to plasma proteins. <i>Journal of Molecular Structure</i> , 2014 , 1077, 4-13	3.4	40
142	The five-to-six-coordination transition of ferric human serum heme-albumin is allosterically-modulated by ibuprofen and warfarin: a combined XAS and MD study. <i>PLoS ONE</i> , 2014 , 9, e104231	3.7	24
141	Imatinib binding to human serum albumin modulates heme association and reactivity. <i>Archives of Biochemistry and Biophysics</i> , 2014 , 560, 100-12	4.1	22
140	Parkinson's disease plasma biomarkers: an automated literature analysis followed by experimental validation. <i>Journal of Proteomics</i> , 2013 , 90, 107-14	3.9	25
139	Warfarin modulates the nitrite reductase activity of ferrous human serum heme-albumin. <i>Journal of Biological Inorganic Chemistry</i> , 2013 , 18, 939-46	3.7	18
138	The mitochondrial Italian Human Proteome Project initiative (mt-HPP). <i>Molecular BioSystems</i> , 2013 , 9, 1984-92		8
137	Multiple isoforms and differential allelic expression of CHRNA5 in lung tissue and lung adenocarcinoma. <i>Carcinogenesis</i> , 2013 , 34, 1281-5	4.6	7
136	Vitamin E binding to human serum albumin. <i>BioFactors</i> , 2013 , 39, 294-303	6.1	29
135	Molecular phylogenetic analyses of albuminoids reveal the molecular evolution of allosteric properties. <i>IUBMB Life</i> , 2013 , 65, 544-9	4.7	4
134	Reciprocal allosteric modulation of carbon monoxide and warfarin binding to ferrous human serum heme-albumin. <i>PLoS ONE</i> , 2013 , 8, e58842	3.7	13
133	Isoniazid inhibits the heme-based reactivity of Mycobacterium tuberculosis truncated hemoglobin N. <i>PLoS ONE</i> , 2013 , 8, e69762	3.7	24
132	Biochemistry of Parkinson's disease—insights from cellular models, animal models and human tissue specimens obtained by autopsy. <i>FEBS Journal</i> , 2012 , 279, 1145	5.7	2
131	Cellular models to investigate biochemical pathways in Parkinson's disease. <i>FEBS Journal</i> , 2012 , 279, 1146-55	5.7	81
130	Evidence for pH-dependent multiple conformers in iron(II) heme-human serum albumin: spectroscopic and kinetic investigation of carbon monoxide binding. <i>Journal of Biological Inorganic Chemistry</i> , 2012 , 17, 133-47	3.7	11

129	Mn(II) binding to human serum albumin: a ^1H -NMR relaxometric study. <i>Journal of Inorganic Biochemistry</i> , 2012 , 117, 198-203	4.2	26
128	Murine macrophages response to iron. <i>Journal of Proteomics</i> , 2012 , 76 Spec No., 10-27	3.9	20
127	Sequence analysis of serum albumins reveals the molecular evolution of ligand recognition properties. <i>Journal of Biomolecular Structure and Dynamics</i> , 2012 , 29, 691-701	3.6	13
126	Human serum albumin: from bench to bedside. <i>Molecular Aspects of Medicine</i> , 2012 , 33, 209-90	16.7	964
125	Pseudo-enzymatic hydrolysis of 4-nitrophenyl myristate by human serum albumin. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 422, 219-23	3.4	10
124	Pseudo-enzymatic hydrolysis of 4-nitrophenyl acetate by human serum albumin: pH-dependence of rates of individual steps. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 424, 451-5	3.4	15
123	Dopaminergic therapies modulate the T-CELL proteome of patients with Parkinson's disease. <i>IUBMB Life</i> , 2012 , 64, 846-52	4.7	36
122	Discovery and verification of panels of T-lymphocyte proteins as biomarkers of Parkinson's disease. <i>Scientific Reports</i> , 2012 , 2, 953	4.9	31
121	The importance of harmonizing and standardizing CNS biomarkers of neurodegeneration. <i>Future Neurology</i> , 2012 , 7, 663-666	1.5	3
120	Proteomic characterization of Jurkat T leukemic cells after dopamine stimulation: A model of circulating dopamine-sensitive cells. <i>Biochimie</i> , 2011 , 93, 892-8	4.6	5
119	O ₂ -mediated oxidation of ferrous nitrosylated human serum heme-albumin is limited by nitrogen monoxide dissociation. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 406, 112-6	3.4	10
118	Ibuprofen and warfarin modulate allosterically ferrous human serum heme-albumin nitrosylation. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 411, 185-9	3.4	12
117	Proteomics in Parkinson's disease: An unbiased approach towards peripheral biomarkers and new therapies. <i>Journal of Biotechnology</i> , 2011 , 156, 325-37	3.7	19
116	Ibuprofen impairs allosterically peroxynitrite isomerization by ferric human serum heme-albumin.. <i>Journal of Biological Chemistry</i> , 2011 , 286, 29441	5.4	78
115	Ibuprofen binding to secondary sites allosterically modulates the spectroscopic and catalytic properties of human serum heme-albumin. <i>FEBS Journal</i> , 2011 , 278, 654-62	5.7	35
114	Isoniazid and rifampicin inhibit allosterically heme binding to albumin and peroxynitrite isomerization by heme-albumin. <i>Journal of Biological Inorganic Chemistry</i> , 2011 , 16, 97-108	3.7	26
113	Binding of Δ^9 -tetrahydrocannabinol and diazepam to human serum albumin. <i>IUBMB Life</i> , 2011 , 63, 446-514.7		32
112	Reductive nitrosylation of ferric human serum heme-albumin. <i>FEBS Journal</i> , 2010 , 277, 2474-85	5.7	24

111	Proteomic analysis of dopamine and α -synuclein interplay in a cellular model of Parkinson's disease pathogenesis. <i>FEBS Journal</i> , 2010 , 277, 4909-19	5-7	34
110	A meta-analysis of two-dimensional electrophoresis pattern of the Parkinson's disease-related protein DJ-1. <i>Bioinformatics</i> , 2010 , 26, 946-52	7-2	22
109	Flavonoid binding to human serum albumin. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 398, 444-9	3-4	96
108	Allostery in a monomeric protein: the case of human serum albumin. <i>Biophysical Chemistry</i> , 2010 , 148, 16-22	3-5	131
107	Binding of anti-Parkinson's disease drugs to human serum albumin is allosterically modulated. <i>IUBMB Life</i> , 2010 , 62, 371-6	4-7	5
106	Changes in the two-dimensional electrophoresis pattern of the Parkinson's disease related protein DJ-1 in human SH-SY5Y neuroblastoma cells after dopamine treatment. <i>IUBMB Life</i> , 2010 , 62, 688-92	4-7	7
105	Drug binding to Sudlow's site I impairs allosterically human serum heme-albumin-catalyzed peroxynitrite detoxification. <i>IUBMB Life</i> , 2010 , 62, 776-80	4-7	27
104	Lymphocyte proteomics of Parkinson's disease patients reveals cytoskeletal protein dysregulation and oxidative stress. <i>Biomarkers in Medicine</i> , 2009 , 3, 117-28	2-3	29
103	Ibuprofen impairs allosterically peroxynitrite isomerization by ferric human serum heme-albumin. <i>Journal of Biological Chemistry</i> , 2009 , 284, 31006-17	5-4	38
102	Serum heme-albumin: an allosteric protein. <i>IUBMB Life</i> , 2009 , 61, 1118-22	4-7	65
101	Reversible two-step unfolding of heme-human serum albumin: a $(1)H$ -NMR relaxometric and circular dichroism study. <i>Journal of Biological Inorganic Chemistry</i> , 2009 , 14, 209-17	3-7	17
100	The depressive phenotype induced in adult female rats by adolescent exposure to THC is associated with cognitive impairment and altered neuroplasticity in the prefrontal cortex. <i>Neurotoxicity Research</i> , 2009 , 15, 291-302	4-3	101
99	Allosteric and binding properties of Asp1-Glu382 truncated recombinant human serum albumin--an optical and NMR spectroscopic investigation. <i>FEBS Journal</i> , 2009 , 276, 2241-50	5-7	35
98	The expression of the DeltaNp73beta isoform of p73 leads to tetraploidy. <i>European Journal of Cancer</i> , 2009 , 45, 443-53	7-5	11
97	Thermodynamic analysis of hydration in human serum heme-albumin. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 385, 385-9	3-4	6
96	Ibuprofen modulates allosterically NO dissociation from ferrous nitrosylated human serum heme-albumin by binding to three sites. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 387, 83-6	3-4	25
95	Characterization of the c.190T>C missense mutation in BRCA1 codon 64 (Cys64Arg). <i>International Journal of Oncology</i> , 2009 , 34, 1005-15	1	7
94	Proteomics as a tool to investigate cell models for dopamine toxicity. <i>Parkinsonism and Related Disorders</i> , 2008 , 14 Suppl 2, S135-8	3-6	12

93	Alpha-synuclein and Parkinson's disease: a proteomic view. <i>Expert Review of Proteomics</i> , 2008 , 5, 239-48	4.2	26
92	Abacavir and warfarin modulate allosterically kinetics of NO dissociation from ferrous nitrosylated human serum heme-albumin. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 369, 686-91	3.4	19
91	Ibuprofen induces an allosteric conformational transition in the heme complex of human serum albumin with significant effects on heme ligation. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11677-88	16.4	92
90	Peripheral biomarkers of Parkinson's disease as early reporters of central neurodegeneration. <i>Biomarkers in Medicine</i> , 2008 , 2, 465-78	2.3	18
89	Prevention and modulation of aminoglycoside ototoxicity (Review). <i>Molecular Medicine Reports</i> , 2008 ,	2.9	1
88	Human Serum Haeme-albumin: An Allosteric 'Chronosteric' Protein 2008 , 121-131		6
87	Prevention and modulation of aminoglycoside ototoxicity (Review). <i>Molecular Medicine Reports</i> , 2008 , 1, 3-13	2.9	25
86	Effect of prototypic drugs ibuprofen and warfarin on global chaotropic unfolding of human serum heme-albumin: a fast-field-cycling 1H-NMR relaxometric study. <i>Biophysical Chemistry</i> , 2007 , 129, 29-35	3.5	29
85	The proteomic approach in Parkinson's disease. <i>Proteomics - Clinical Applications</i> , 2007 , 1, 1428-35	3.1	7
84	Reductive nitrosylation and peroxynitrite-mediated oxidation of heme-hemopexin. <i>FEBS Journal</i> , 2007 , 274, 551-62	5.7	27
83	Modulation of heme and myristate binding to human serum albumin by anti-HIV drugs. An optical and NMR spectroscopic study. <i>FEBS Journal</i> , 2007 , 274, 4491-502	5.7	33
82	Heme binding to albuminoid proteins is the result of recent evolution. <i>IUBMB Life</i> , 2007 , 59, 436-40	4.7	37
81	Heme-hemopexin: a 'chronosteric' heme-protein. <i>IUBMB Life</i> , 2007 , 59, 700-8	4.7	17
80	Abacavir modulates peroxynitrite-mediated oxidation of ferrous nitrosylated human serum heme-albumin. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 353, 469-74	3.4	36
79	Allosteric modulation of drug binding to human serum albumin. <i>Mini-Reviews in Medicinal Chemistry</i> , 2006 , 6, 483-9	3.2	123
78	O ₂ -mediated oxidation of hemopexin-heme(II)-NO. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 345, 704-12	3.4	22
77	alpha-Synuclein protects SH-SY5Y cells from dopamine toxicity. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 349, 1294-300	3.4	32
76	Modifications of the iron-neuromelanin system in Parkinson's disease. <i>Journal of Neurochemistry</i> , 2006 , 96, 909-16	6	97

75	Determination of anti-HIV drug concentration in human plasma by MALDI-TOF/TOF. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006 , 833, 109-16	3.2	38
74	The C-terminal domain of the transcriptional corepressor CtBP is intrinsically unstructured. <i>Protein Science</i> , 2006 , 15, 1042-50	6.3	39
73	Is neuromelanin changed in Parkinson's disease? Investigations by magnetic spectroscopies. <i>Journal of Neural Transmission</i> , 2006 , 113, 769-74	4.3	38
72	A topological model of the interaction between alpha-synuclein and sodium dodecyl sulfate micelles. <i>Biochemistry</i> , 2005 , 44, 329-39	3.2	108
71	Heme impairs allosterically drug binding to human serum albumin Sudlow's site I. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 334, 481-6	3.4	57
70	Hemoglobin and heme scavenging. <i>IUBMB Life</i> , 2005 , 57, 749-59	4.7	185
69	The extraordinary ligand binding properties of human serum albumin. <i>IUBMB Life</i> , 2005 , 57, 787-96	4.7	736
68	Allosteric modulation of myristate and Mn(III)heme binding to human serum albumin. Optical and NMR spectroscopy characterization. <i>FEBS Journal</i> , 2005 , 272, 4672-83	5.7	50
67	Allosteric modulation of anti-HIV drug and ferric heme binding to human serum albumin. <i>FEBS Journal</i> , 2005 , 272, 6287-96	5.7	35
66	Allosteric modulation of monomeric proteins*. <i>Biochemistry and Molecular Biology Education</i> , 2005 , 33, 169-76	1.3	26
65	Proton-linked subunit heterogeneity in ferrous nitrosylated human adult hemoglobin: an EPR study. <i>Journal of Inorganic Biochemistry</i> , 2005 , 99, 1255-9	4.2	4
64	Binding of anti-HIV drugs to human serum albumin. <i>IUBMB Life</i> , 2004 , 56, 609-14	4.7	47
63	Nitrosylation of rabbit ferrous heme-hemopexin. <i>Journal of Biological Inorganic Chemistry</i> , 2004 , 9, 800-63,7		12
62	¹ H NMR relaxometric characterization of bovine lactoferrin. <i>Journal of Inorganic Biochemistry</i> , 2004 , 98, 1421-6	4.2	4
61	Proteomics as a tool to improve investigation of substantial equivalence in genetically modified organisms: the case of a virus-resistant tomato. <i>Proteomics</i> , 2004 , 4, 193-200	4.8	85
60	Proteome analysis of human substantia nigra in Parkinson's disease. <i>Proteomics</i> , 2004 , 4, 3943-52	4.8	217
59	Proteome analysis of mesencephalic tissues: evidence for Parkinson's disease. <i>Neurological Sciences</i> , 2003 , 24, 155-6	3.5	18
58	Determination of ferric heme-human serum albumin by ¹ H NMR relaxometry. <i>Journal of Inorganic Biochemistry</i> , 2003 , 95, 64-7	4.2	3

57	Modulation of the antioxidant activity of HO* scavengers by albumin binding: a 19F-NMR study. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 307, 962-6	3.4	10
56	Residual substantia nigra neuromelanin in Parkinson's disease is cross-linked to alpha-synuclein. <i>Neurochemistry International</i> , 2003 , 42, 603-6	4.4	58
55	Surface changes and role of buried water molecules during the sulfane sulfur transfer in rhodanese from <i>Azotobacter vinelandii</i> : a fluorescence quenching and nuclear magnetic relaxation dispersion spectroscopic study. <i>Biochemistry</i> , 2003 , 42, 8550-7	3.2	11
54	Unfolding of the loggerhead sea turtle (<i>Caretta caretta</i>) myoglobin: A (1)H-NMR and electronic absorbance study. <i>Protein Science</i> , 2002 , 11, 2273-8	6.3	1
53	Hemopexin: The primary specific carrier of plasma heme*. <i>Biochemistry and Molecular Biology Education</i> , 2002 , 30, 332-335	1.3	6
52	Agmatine oxidation by copper amine oxidase. <i>FEBS Journal</i> , 2002 , 269, 884-92		5
51	The heme-iron geometry of ferrous nitrosylated heme-serum lipoproteins, hemopexin, and albumin: a comparative EPR study. <i>Journal of Inorganic Biochemistry</i> , 2002 , 91, 487-90	4.2	41
50	Do hemoglobin and hemocyanin impair schistosoma killing by no?. <i>IUBMB Life</i> , 2002 , 53, 287-8	4.7	10
49	Binding and relaxometric properties of heme complexes with cyanogen bromide fragments of human serum albumin. <i>Biophysical Journal</i> , 2002 , 83, 2248-58	2.9	17
48	Magnetic investigations of human mesencephalic neuromelanin. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2002 , 1586, 210-8	6.9	31
47	Effect of ibuprofen and warfarin on the allosteric properties of haem-human serum albumin. A spectroscopic study. <i>FEBS Journal</i> , 2001 , 268, 6214-20		110
46	Relaxometric characterization of human hemalbumin. <i>Journal of Biological Inorganic Chemistry</i> , 2001 , 6, 650-8	3.7	31
45	Effect of bezafibrate and clofibrate on the heme-iron geometry of ferrous nitrosylated heme-human serum albumin: an EPR study. <i>Journal of Inorganic Biochemistry</i> , 2001 , 84, 293-6	4.2	36
44	Experimental Evidence for a Second Coordination Sphere Water Molecule in the Hydration Structure of YbDTPA Insights for a Re-Assessment of the Relaxivity Data of GdDTPA. <i>European Journal of Inorganic Chemistry</i> , 2000 , 2000, 971-977	2.3	22
43	Isolation and 13C-NMR characterization of an insoluble proteinaceous fraction from substantia nigra of patients with Parkinson's disease. <i>Movement Disorders</i> , 2000 , 15, 977-81	7	37
42	Nuclear magnetic relaxation dispersion profiles of substantia nigra pars compacta in Parkinson's disease patients are consistent with protein aggregation. <i>Neurochemistry International</i> , 2000 , 37, 331-6	4.4	29
41	Q-band EPR investigations of neuromelanin in control and Parkinson's disease patients. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2000 , 1500, 306-12	6.9	43
40	Investigation of the active site of Escherichia coli Cu,Zn superoxide dismutase reveals the absence of the copper-coordinated water molecule. is the water molecule really necessary for the enzymatic mechanism?. <i>FEBS Letters</i> , 2000 , 483, 21-6	3.8	5

39	Chemical Shift and Relaxation Reagents in NMR 1999 , 223-231		
38	¹ H and ¹⁷ O-NMR relaxometric investigations of paramagnetic contrast agents for MRI. Clues for higher relaxivities. <i>Coordination Chemistry Reviews</i> , 1999 , 185-186, 321-333	23.2	43
37	Stabilization of the T-state of human hemoglobin by proflavine, an antiseptic drug. <i>IUBMB Life</i> , 1999 , 47, 991-5	4.7	3
36	A novel ¹⁹ F-NMR method for the investigation of the antioxidant capacity of biomolecules and biofluids. <i>Free Radical Biology and Medicine</i> , 1999 , 27, 356-63	7.8	4
35	Chemical Shift and Relaxation Reagents in NMR* 1999 , 253-261		
34	Prototropic and Water-Exchange Processes in Aqueous Solutions of Gd(III) Chelates. <i>Accounts of Chemical Research</i> , 1999 , 32, 941-949	24.3	180
33	Metal complexes as allosteric effectors of human hemoglobin: an NMR study of the interaction of the gadolinium(III) bis(m-boroxypheylamide)diethylenetriaminepentaacetic acid complex with human oxygenated and deoxygenated hemoglobin. <i>Biophysical Journal</i> , 1999 , 76, 2735-43	2.9	16
32	Stabilization of the T-state of ferrous human adult and fetal hemoglobin by Ln(III) complexes: a thermodynamic study. <i>Journal of Inorganic Biochemistry</i> , 1998 , 71, 37-43	4.2	14
31	Lanthanide(III) chelates for NMR biomedical applications. <i>Chemical Society Reviews</i> , 1998 , 27, 19-29	58.5	612
30	Conformational and Coordination Equilibria on DOTA Complexes of Lanthanide Metal Ions in Aqueous Solution Studied by (¹ H)-NMR Spectroscopy. <i>Inorganic Chemistry</i> , 1997 , 36, 2059-2068	5.1	292
29	EPR investigations of the iron domain in neuromelanin. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1997 , 1361, 49-58	6.9	42
28	Non-ionic Ln(III) chelates as MRI contrast agents: Synthesis, characterisation and ¹ H NMR relaxometric investigations of bis(benzylamide)diethylenetriaminepentaacetic acid Lu(III) and Gd(III) complexes. <i>Inorganica Chimica Acta</i> , 1997 , 254, 63-70	2.7	59
27	Relaxometric Determination of the Exchange Rate of the Coordinated Water Protons in a Neutral Gd(III) Chelate. <i>Chemistry - A European Journal</i> , 1997 , 3, 1499-1504	4.8	27
26	Structural determinants of fluoride and formate binding to hemoglobin and myoglobin: crystallographic and ¹ H-NMR relaxometric study. <i>Biophysical Journal</i> , 1996 , 70, 482-8	2.9	48
25	An NMR relaxometric indicator of the formation of OH [•] radicals in fenton-type reactions. <i>Chemical Communications</i> , 1996 , 1509	5.8	4
24	¹ H-NMR relaxometric study of pancreatic serine (pro)enzyme inhibition by a Gd(III) chelate bearing boronic functionalities. <i>IUBMB Life</i> , 1996 , 39, 741-6	4.7	2
23	Gd(III) complexes as contrast agents for magnetic resonance imaging: a proton relaxation enhancement study of the interaction with human serum albumin. <i>Journal of Biological Inorganic Chemistry</i> , 1996 , 1, 312-319	3.7	152
22	A new ytterbium chelate as contrast agent in chemical shift imaging and temperature sensitive probe for MR spectroscopy. <i>Magnetic Resonance in Medicine</i> , 1996 , 35, 648-51	4.4	74

21	Crystal structure and solution dynamics of the lutetium(III) chelate of DOTA. <i>Inorganica Chimica Acta</i> , 1996 , 246, 423-429	2.7	122
20	Azide, cyanide, fluoride, imidazole and pyridine binding to ferric and ferrous native horse heart cytochrome c and to its carboxymethylated derivative: a comparative study. <i>Journal of Inorganic Biochemistry</i> , 1996 , 62, 213-22	4.2	40
19	Nuclear magnetic resonance spectroscopy characterization and iron content determination of human mesencephalic neuromelanin. <i>Advances in Neurology</i> , 1996 , 69, 263-70		5
18	Molecular Recognition of R- and T-States of Human Adult Hemoglobin by a Paramagnetic Gd(III) Complex by Means of the Measurement of Solvent Water Proton Relaxation Rate. <i>Journal of the American Chemical Society</i> , 1995 , 117, 9365-9366	16.4	34
17	NMR relaxometric investigation on human methemoglobin and fluoromethemoglobin. An improved quantitative in vitro assay of human methemoglobin. <i>Magnetic Resonance in Medicine</i> , 1995 , 33, 827-31	4.4	11
16	Inhibition of bovine beta-trypsin, human alpha-thrombin and porcine pancreatic beta-kallikrein-B by 4',6-diamidino-2-phenylindole, 6-amidinoindole and benzamidine: a comparative thermodynamic and X-ray structural study. <i>Biophysical Chemistry</i> , 1995 , 54, 75-81	3.5	28
15	Evidence for a glycidic-lipidic matrix in human neuromelanin, potentially responsible for the enhanced iron sequestering ability of substantia nigra. <i>Journal of Neurochemistry</i> , 1994 , 62, 369-71	6	35
14	Structure of the sulfide-reactive hemoglobin from the clam <i>Lucina pectinata</i> . Crystallographic analysis at 1.5 Å resolution. <i>Journal of Molecular Biology</i> , 1994 , 244, 86-99	6.5	67
13	NMR Evidence of a Long Exchange Lifetime for the Coordinated Water in Ln(III)-Bis(methyl amide)-DTPA Complexes (Ln = Gd, Dy). <i>Inorganic Chemistry</i> , 1994 , 33, 4707-4711	5.1	82
12	Inhibition of serine proteinases belonging to the chymotrypsin superfamily by the cyclic thiolic compound YS3025: a comparative crystallographic study. <i>Biochemical and Biophysical Research Communications</i> , 1993 , 193, 32-9	3.4	7
11	Crystal structure and NMR investigation of the serine proteinase inhibitor MR889, a cyclic thiolic compound. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1993 , 2253		4
10	Synthesis and characterization of a novel DTPA-like gadolinium(III) complex: a potential reagent for the determination of glycosylated proteins by water proton NMR relaxation measurements. <i>Inorganic Chemistry</i> , 1993 , 32, 2068-2071	5.1	31
9	NMR relaxometric studies of water accessibility to haem cavity in horse heart and sperm whale myoglobin. <i>Magnetic Resonance in Chemistry</i> , 1993 , 31, S85-S89	2.1	9
8	Paramagnetic Gd(III)/Fe(III) heterobimetallic complexes of DTPA-bis-salicylamide. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1993 , 49, 1315-1322		28
7	Quantitative Determination of Methemoglobin by Measuring the Solvent-Water Proton-Nuclear Magnetic Resonance Relaxation Rate. <i>Clinical Chemistry</i> , 1992 , 38, 2401-2404	5.5	6
6	Paramagnetic water proton relaxation enhancement: from contrast agents in MRI to reagents for quantitative "in vitro" assays. <i>Magnetic Resonance Imaging</i> , 1992 , 10, 849-54	3.3	14
5	Metal ion content in <i>Sepia officinalis</i> melanin. <i>Marine Chemistry</i> , 1992 , 39, 243-250	3.7	15
4	Quantitative determination of methemoglobin by measuring the solvent-water proton-nuclear magnetic resonance relaxation rate. <i>Clinical Chemistry</i> , 1992 , 38, 2401-4	5.5	2

- 3 An NMR study of the interaction between melanin free acid and Mn²⁺ ions as a model to mimic the enhanced proton relaxation rates in melanotic melanoma. *Magnetic Resonance Imaging*, **1991**, 9, 963-8 33 9
- 2 NMR studies of melanins: characterization of a soluble melanin free acid from Sepia ink. *Pigment Cell & Melanoma Research*, **1991**, 4, 216-21 26
- 1 An automated procedure for the statistical analysis of two-dimensional electrophoresis gels for biomarkers discovery. *Protocol Exchange*, 2