

Prof. dr. Radu Silaghi-Dumitrescu

Fisa de autoevaluare

Indeplinirea criteriilor CNADTCU pe toata activitatea (Silaghi-Dumitrescu Radu)

Lista publicatiilor considerate

- 1 Redox chemistry of cobalamin and its derivatives Dereven'kov, I. A.; Salnikov, D. S.; Silaghi-Dumitrescu, R.; Makarov, S. V.; Koifman, O. I. COORDINATION CHEMISTRY REVIEWS 2016 309 68 83 10.1016/j.ccr.2015.11.001 IF 22.315
- 2 Glutaraldehyde-Polymerized Hemoglobin: In Search of Improved Performance as Oxygen Carrier in Hemorrhage Models Farcas, Anca D.; Al Toma, Vlad; Roman, Ioana; Sevastre, Bogdan; Scurtu, Florina; Silaghi-Dumitrescu, Radu BIOINORGANIC CHEMISTRY AND APPLICATIONS 2020 2020 1096573 10.1155/2020/1096573 IF 7.778
- 3 An assay for pro-oxidant reactivity based on phenoxyl radicals generated by laccase Mot, Augustin Catalin; Coman, Cristina; Miron, Carmen; Damian, Grigore; Sarbu, Costel; Silaghi-Dumitrescu, Radu FOOD CHEMISTRY 2014 143 214 222 10.1016/j.foodchem.2013.07.128 IF 7.514
- 4 The high affinity of small-molecule antioxidants for hemoglobin Puscas, Cristina; Radu, Luana; Carrascoza, Francisco; Mot, Augustin C.; Amariei, Diana; Lungu, Oana; Scurtu, Florina; Podea, Paula; Septelean, Raluca; Matei, Alina; Mic, Mihaela; Attia, Amr. A.; Silaghi-Dumitrescu, Radu FREE RADICAL BIOLOGY AND MEDICINE 2018 124 260 274 10.1016/j.freeradbiomed.2018.06.019 IF 7.376
- 5 EPR detection of sulfanyl radical during sulfhemoglobin formation - Influence of catalase Mot, Augustin C.; Puscas, Cristina; Dorneanu, Sorin Aurel; Silaghi-Dumitrescu, Radu FREE RADICAL BIOLOGY AND MEDICINE 2019 137 110 115 10.1016/j.freeradbiomed.2019.04.034 IF 7.376
- 6 Oxidative Protection of Hemoglobin and Hemerythrin by Cross-Linking with a Nonheme Iron Peroxidase: Potentially Improved Oxygen Carriers for Use in Blood Substitutes Hathazi, Denisa; Mott, Augustin C.; Vaida, Anetta; Scurtu, Florina; Lupan, Iulia; Fischer-Fodor, Eva; Damian, Grigore; Kurtz, Donald M., Jr.; Silaghi-Dumitrescu, Radu BIOMACROMOLECULES 2014 15 5 1920 1927 10.1021/bm5004256 IF 6.988
- 7 In vivo evaluation of hemerythrin-based oxygen carriers: Similarities with hemoglobin-based counterparts Al Toma, Vlad; Farcas, Anca D.; Roman, Ioana; Sevastre, Bogdan; Hathazi, Denisa; Scurtu, Florina; Damian, Grigore; Silaghi-Dumitrescu, Radu INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES 2018 107 1422 1427 10.1016/j.ijbiomac.2017.10.005 IF 6.953
- 8 Why does sulfite reductase employ siroheme? Branzanic, Adrian M., V; Ryde, Ulf; Silaghi-Dumitrescu, Radu CHEMICAL COMMUNICATIONS 2019 55 93 14047 14049 10.1039/c9cc05271b IF 6.222
- 9 Stability of Glutaraldehyde in Biocide Compositions Matei, Alina; Puscas, Cristina; Patrascu, Iulia; Lehene, Maria; Ziebro, Julia; Scurtu, Florina; Baia, Monica; Porumb, Dan; Totos, Robert; Silaghi-Dumitrescu, Radu INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 2020 21 9 3372 10.3390/ijms21093372 IF 5.924
- 10 Excess Ascorbate is a Chemical Stress Agent against Proteins and Cells Lehene, Maria; Fischer-Fodor, Eva; Scurtu, Florina; Hadade, Niculina D.; Gal, Emese; Mot, Augustin C.; Matei, Alina; Silaghi-Dumitrescu, Radu PHARMACEUTICALS 2020 13 6 107 10.3390/ph13060107 IF 5.863
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- 12 Copolymerization of recombinant Phascolopsis gouldii hemerythrin with human serum albumin for use in blood substitutes Arkosi, Mariann; Scurtu, Florina; Vulpoi, Adriana; Silaghi-Dumitrescu, Radu;

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- 14 Conformational Preferences of Gas-Phase Helices: Experiment and Theory Struggle to Agree: The Seven-Residue Peptide Ac-Phe-(Ala)⁵-Lys-H⁺ Xie, Yaoming; Schaefer, Henry F., III; Silaghi-Dumitrescu, Radu; Peng, Bin; Li, Qian-shu; Stearns, Jaime A.; Rizzo, Thomas R. CHEMISTRY-A EUROPEAN JOURNAL
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Nr lucrare	Punctaje				OBS
	FIC 100 pct	FIC _D 70 pct	FIC _A 50 pct	FIC _{AC} 25 pct	
1	22.315	22.315	0	0	
2	7.778	7.778	7.778	7.778	
3	7.514	7.514	7.514	7.514	
4	7.376	7.376	7.376	7.376	
5	7.376	7.376	7.376	7.376	
6	6.988	6.988	6.988	6.988	
7	6.953	6.953	6.953	6.953	
8	6.222	6.222	6.222	6.222	
9	5.924	5.924	5.924	5.924	
10	5.863	5.863	5.863	5.863	

11	5.678	5.678	5.678	5.678	
12	5.678	5.678	5.678	5.678	
13	5.236	5.236	0	0	
14	5.236	5.236	0	0	
15	5.165	5.165	5.165	5.165	
16	5.165	5.165	5.165	5.165	
17	5.165	5.165	5.165	5.165	
18	5.157	5.157	0	0	
19	5.135	5.135	0	0	
20	4.889	4.889	0	0	
21	4.879	4.879	0	0	
22	4.702	4.702	0	0	
23	4.556	4.556	0	0	
24	4.427	4.427	4.427	4.427	
25	4.427	4.427	4.427	4.427	
26	4.412	4.412	4.412	4.412	
27	4.412	4.412	4.412	4.412	
28	4.412	4.412	4.412	4.412	
29	4.39	4.39	4.39	4.39	
30	4.39	4.39	0	0	
31	4.39	4.39	0	0	
32	4.39	4.39	4.39	4.39	
33	4.39	4.39	0	0	
34	4.39	4.39	0	0	
35	4.39	4.39	0	0	
36	4.38	4.38	4.38	4.38	
37	4.155	4.155	4.155	4.155	
38	4.155	4.155	4.155	4.155	
39	4.155	4.155	4.155	4.155	
40	4.155	4.155	4.155	4.155	
41	4.155	4.155	4.155	4.155	
42	4.155	4.155	4.155	4.155	
43	4.155	4.155	4.155	4.155	
44	4.155	4.155	4.155	4.155	
45	4.148	4.148	4.148	4.148	
46	4.013	4.013	4.013	4.013	
47	3.867	3.867	3.867	0	
48	3.739	3.739	3.739	3.739	
49	3.591	3.591	3.591	3.591	
50	3.591	3.591	3.591	3.591	
TOTAL	264.339	264.339	180.284	176.417	
Indeplinire	DA	DA	DA	DA	
%	264%	378%	361%	706%	

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Sursa	Web of Science	Google Scholar	Scopus
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30 ianuarie 2026

