

# Ronald D Macfarlane

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11017779/publications.pdf>

Version: 2024-02-01

73  
papers

2,158  
citations

236612

25  
h-index

233125

45  
g-index

73  
all docs

73  
docs citations

73  
times ranked

991  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasma Desorption Ionization Using <sup>252</sup> Cf in Mass Spectrometry. , 2017, , 667-675.		0
2	A Perspective on the History of <sup>252</sup> Cf-Plasma Desorption Mass Spectrometry. , 2016, , 113-118.		0
3	Evaluation of Plasma Cholesterol, Triglyceride, and Lipid Density Profiles in Captive Monk Parakeets ( <i>Myiopsitta monachus</i> ). <i>Journal of Exotic Pet Medicine</i> , 2014, 23, 71-78.	0.2	16
4	Novel lipoprotein density profiling in healthy dogs of various breeds, healthy miniature schnauzers, and miniature schnauzers with hyperlipidemia. <i>BMC Veterinary Research</i> , 2013, 9, 47.	0.7	22
5	Human HDL containing a novel apoC-I isoform induces smooth muscle cell apoptosis. <i>Cardiovascular Research</i> , 2013, 98, 83-93.	1.8	10
6	Mobilization of ectopic yolk in <i>Gallus domesticus</i> : a novel reverse lipid transport process. <i>Journal of Experimental Biology</i> , 2013, 216, 1949-58.	0.8	9
7	The Effect of Viewing Order of Macroscopic and Particulate Visualizations on Students'™ Particulate Explanations. <i>Journal of Chemical Education</i> , 2012, 89, 979-987.	1.1	17
8	Developing High Performance Lipoprotein Density Profiling for Use in Clinical Studies Relating to Cardiovascular Disease. <i>Analytical Chemistry</i> , 2011, 83, 8524-8530.	3.2	12
9	Effect of sterol carrier protein-2 gene ablation on HDL-mediated cholesterol efflux from cultured primary mouse hepatocytes. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 299, G244-G254.	1.6	32
10	Overexpression of sterol carrier protein-2 differentially alters hepatic cholesterol accumulation in cholesterol-fed mice. <i>Journal of Lipid Research</i> , 2009, 50, 1429-1447.	2.0	30
11	Electronegative LDLs from familial hypercholesterolemic patients are physicochemically heterogeneous but uniformly proapoptotic. <i>Journal of Lipid Research</i> , 2007, 48, 177-184.	2.0	39
12	UC/MALDI-MS analysis of HDL; evidence for density-dependent post-translational modifications. <i>International Journal of Mass Spectrometry</i> , 2007, 268, 227-233.	0.7	10
13	Method for Lipoprotein(a) Density Profiling by BiEDTA Differential Density Lipoprotein Ultracentrifugation. <i>Analytical Chemistry</i> , 2006, 78, 438-444.	3.2	4
14	Remnant Lipoprotein Density Profiling by CsBiEDTA Density Gradient Ultracentrifugation. <i>Analytical Chemistry</i> , 2006, 78, 680-685.	3.2	6
15	A Large High-Density Lipoprotein Enriched in Apolipoprotein C-I. <i>JAMA - Journal of the American Medical Association</i> , 2005, 293, 1891-9.	3.8	22
16	Metal Ion Complexes of EDTA: A Solute System for Density Gradient Ultracentrifugation Analysis of Lipoproteins. <i>Analytical Chemistry</i> , 2005, 77, 200-207.	3.2	21
17	Metal Ion Complexes of EDTA as Solutes for Density Gradient Ultracentrifugation: Influence of Metal Ions. <i>Analytical Chemistry</i> , 2005, 77, 7054-7061.	3.2	21
18	Novel truncated isoforms of constitutive serum amyloid A detected by MALDI mass spectrometry. <i>Biochemical and Biophysical Research Communications</i> , 2005, 332, 352-356.	1.0	14

#	ARTICLE	IF	CITATIONS
19	Charge density profiling of circulating human low-density lipoprotein particles by capillary zone electrophoresis. <i>Electrophoresis</i> , 2004, 25, 2985-2995.	1.3	7
20	Characterization of $\{M_8[S_2CC(CN)_2]_6\}^{4-}$ , where M=CuI and AgI, homocubane clusters by -plasma desorption mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2003, 222, 493-501.	0.7	6
21	Analysis of High-Density Lipoprotein Apolipoproteins Recovered from Specific Immobilized pH Gradient Gel pI Domains by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2003, 75, 3823-3830.	3.2	16
22	Serum Apolipoproteins. , 1999, 27, 99-108.		1
23	Fast C18 solid-phase desalting/delipidation of the human serum apolipoproteins for matrix-assisted laser desorption ionization and electrospray ionization mass spectrometric analysis. <i>Journal of Chromatography A</i> , 1999, 840, 183-193.	1.8	22
24	Plasma Desorption Ionization in Mass Spectrometry. , 1999, , 1848-1857.		0
25	Mass spectral study of polymorphism of the apolipoproteins of very low density lipoprotein. <i>Journal of Lipid Research</i> , 1999, 40, 543-555.	2.0	72
26	Plasma Desorption Ionization Using $^{252}\text{Cf}$ in Mass Spectrometry*. , 1999, , 2195-2203.		0
27	Characterization of Single-Isomer, Heptasulfated $\beta$ -Cyclodextrins by Electrospray Ionization Mass Spectrometry and Indirect UV Detection Capillary Electrophoresis. <i>Analytical Chemistry</i> , 1998, 70, 3042-3045.	3.2	18
28	Characterization and quantitation of apolipoprotein B-100 by capillary electrophoresis. <i>Journal of Lipid Research</i> , 1998, 39, 205-217.	2.0	22
29	Development of a lipoprotein profile using capillary electrophoresis and mass spectrometry. <i>Electrophoresis</i> , 1997, 18, 1796-1806.	1.3	35
30	Characterization and Quantitation of the Apoproteins of High-Density Lipoprotein by Capillary Electrophoresis. <i>Analytical Biochemistry</i> , 1996, 243, 100-109.	1.1	22
31	Glucose glass films: A matrix for mass spectrometry that mimics aqueous solution behavior. <i>Journal of Mass Spectrometry</i> , 1995, 30, 1041-1048.	0.7	5
32	Characterization of lipoprotein a by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1995, 717, 33-39.	1.8	28
33	$^{252}\text{Cf}$ -plasma desorption mass spectrometry – A historical perspective. <i>Biological Mass Spectrometry</i> , 1993, 22, 677-680.	0.5	9
34	Characterization of high nuclearity close-packed anionic platinum carbonyl clusters by $^{252}\text{Cf}$ plasma desorption mass spectrometry. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1993, 126, 197-210.	1.9	3
35	Analysis of a stacked-triangular platinum carbonyl cluster dianion, $[\text{Pt}_3(\text{CO})_6]^{3-}$ by $^{252}\text{Cf}$ -Plasma Desorption Mass Spectrometry. <i>Journal of Cluster Science</i> , 1993, 4, 453-470.	1.7	2
36	Derivatization to enhance sequence-specific fragmentation of peptides and proteins. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1993, 126, 123-136.	1.9	13

#	ARTICLE	IF	CITATIONS
37	A pulsed ion deflection system for background reduction in <sup>252</sup> Cf-plasma desorption mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1992, 3, 706-715.	1.2	9
38	Small molecules as substrates for adsorption/desorption in <sup>252</sup> Cf plasma desorption mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1991, 2, 29-32.	1.2	19
39	Fragmentation Analysis of Bradykinin by <sup>252</sup> Cf-Plasma Desorption Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1991, 2, 379-386.	1.2	10
40	Study of the charge-remote fragmentation of bradykinin using <sup>252</sup> Cf-plasma desorption mass spectrometry. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1991, 111, 55-75.	1.9	8
41	A new method for electrostatic ion deflection. <i>Journal of the American Society for Mass Spectrometry</i> , 1990, 1, 28-36.	1.2	11
42	[11] Principles of californium-252 plasma desorption mass spectrometry applied to protein analysis. <i>Methods in Enzymology</i> , 1990, 193, 263-280.	0.4	14
43	<sup>252</sup> Cf-Plasma desorption mass spectrometry using polymer surfaces. <i>TrAC - Trends in Analytical Chemistry</i> , 1988, 7, 179-183.	5.8	4
44	A novel mass spectrometric procedure to rapidly determine the partial structure of heparin fragments. <i>Biochemical and Biophysical Research Communications</i> , 1986, 139, 18-24.	1.0	26
45	Mass spectrometric study of ion adsorption on poly(ethylene terephthalate) and polypropylene surfaces. <i>Analytical Chemistry</i> , 1986, 58, 1091-1097.	3.2	23
46	The use of a stationary cationic surfactant as a selective matrix in <sup>252</sup> Cf-plasma desorption mass spectrometry. <i>Journal of the American Chemical Society</i> , 1986, 108, 2132-2139.	6.6	31
47	Heterogeneity of bacterial antigenic lipooligosaccharides determined by californium-252 plasma desorption mass spectrometry. <i>Biological Mass Spectrometry</i> , 1986, 13, 273-276.	0.5	12
48	The synthesis of two monosubstituted <i>meso</i> -tetraphenylporphine sulfonates. <i>Journal of Heterocyclic Chemistry</i> , 1986, 23, 1565-1570.	1.4	2
49	Californium-252 plasma-desorption mass spectrometry of polymethylenediamine-linked enkephalin peptides. <i>Analytical Chemistry</i> , 1985, 57, 1616-1621.	3.2	8
50	<sup>252</sup> Cf-Plasma Desorption Mass Spectrometry. <i>Mass Spectrometry Reviews</i> , 1985, 4, 421-460.	2.8	325
51	Kijanamicin. Part 3. Structure and absolute stereochemistry of kijanamicin. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1983, , 1497.	0.9	66
52	High Energy Heavy-Ion Induced Desorption (Review). <i>Springer Series in Chemical Physics</i> , 1983, , 32-46.	0.2	4
53	Particle-induced desorption mass spectrometry of large involatile biomolecules: surface chemistry in the high-energy short-time domain. <i>Accounts of Chemical Research</i> , 1982, 15, 268-275.	7.6	129
54	Characterization of a uranium-rich organic material obtained from a South Texas lignite. <i>Fuel</i> , 1982, 61, 853-858.	3.4	13

#	ARTICLE	IF	CITATIONS
55	Observation of a fully protected oligonucleotide dimer at m/z 12637 by californium-252 plasma desorption mass spectrometry. <i>Journal of the American Chemical Society</i> , 1981, 103, 1609-1610.	6.6	98
56	Kijanamicin. 2. Structure and absolute stereochemistry of kijanamicin. <i>Journal of the American Chemical Society</i> , 1981, 103, 3940-3943.	6.6	76
57	High-energy fragmentation of chlorophyll a and its fully deuterated analog by californium-252 plasma desorption mass spectrometry. <i>Journal of the American Chemical Society</i> , 1981, 103, 6775-6778.	6.6	47
58	252Californium plasma desorption mass spectrometry. <i>Biological Mass Spectrometry</i> , 1981, 8, 449-453.	0.5	22
59	Techniques for the Study of Short-Lived Nuclei. <i>Pure and Applied Physics</i> , 1974, 40, 243-286.	0.2	12
60	Beta-delayed $\hat{\pm}$ -emission from $^{24}\text{Al}$ and $^{24}\text{mAl}$ . <i>Nuclear Physics A</i> , 1971, 178, 69-75.	0.6	11
61	Alpha decay of the $^{221}\text{Th}$ and $^{222}\text{Th}$ decay chains. <i>Nuclear Physics A</i> , 1970, 149, 641-646.	0.6	49
62	Alpha-Decay Studies of the $N=127$ Isotones $\text{Fr}^{214}$ , $\text{Ra}^{215}$ , and $\text{Ac}^{216}$ . <i>Physical Review C</i> , 1970, 2, 2309-2318.	1.1	28
63	Anomalous Beta-Alpha Anisotropy in the Decay of $\text{Na}^{20}$ . <i>Physical Review Letters</i> , 1970, 25, 170-172.	2.9	20
64	Alpha Decay of the Isomers of $\text{Fr}^{214}$ . <i>Physical Review</i> , 1968, 174, 1494-1499.	2.7	28
65	Alpha-Decay Properties of Some Lutetium and Hafnium Isotopes Near the 82-Neutron Closed Shell. <i>Physical Review</i> , 1965, 137, B1448-B1452.	2.7	51
66	Alpha-Decay Properties of Some Francium Isotopes Near the 126-Neutron Closed Shell. <i>Physical Review</i> , 1964, 133, B1373-B1380.	2.7	73
67	Alpha-Decay Properties of Some Thulium and Ytterbium Isotopes Near the 82-Neutron Closed Shell. <i>Physical Review</i> , 1964, 136, B941-B947.	2.7	48
68	Alpha decay properties of some terbium and dysprosium isotopes near the 82-neutron closed shell. <i>Nuclear Physics (journal)</i> , 1964, 53, 449-456.	2.0	49
69	Alpha Decay Properties of some Holmium Isotopes near the 82-Neutron Closed Shell. <i>Physical Review</i> , 1963, 130, 1491-1498.	2.7	61
70	Alpha-Decay Properties of Some Erbium Isotopes near the 82-Neutron Closed Shell. <i>Physical Review</i> , 1963, 131, 2176-2181.	2.7	39
71	Alpha-Emitting Isomeric State of $\text{Tb}^{149}$ . <i>Physical Review</i> , 1962, 126, 274-276.	2.7	35
72	Natural Alpha Radioactivity in Medium-Heavy Elements. <i>Physical Review</i> , 1961, 121, 1758-1769.	2.7	122

#	ARTICLE	IF	CITATIONS
73	Natural Occurrence of Samarium-146. Nature, 1960, 188, 1180-1181.	13.7	9