

# Anna R Cappello

## List of Publications by Year in descending order

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66  
papers

2,738  
citations

172386

29  
h-index

189801

50  
g-index

68  
all docs

68  
docs citations

68  
times ranked

4266  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasound-Assisted Extraction, Chemical Characterization, and Impact on Cell Viability of Food Wastes Derived from Southern Italy Autochthonous Citrus Fruits. <i>Antioxidants</i> , 2022, 11, 285.	2.2	6
2	Smart Lipid- $\alpha$ -Polysaccharide Nanoparticles for Targeted Delivery of Doxorubicin to Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2386.	1.8	10
3	In vitro anti-proliferative and anti-bacterial properties of new C7 benzoate derivatives of pinocembrin. <i>Natural Product Research</i> , 2021, 35, 1783-1791.	1.0	4
4	A Stereoselective, Multicomponent Catalytic Carbonylative Approach to a New Class of $\alpha,\beta$ -Unsaturated $\beta$ -Lactam Derivatives. <i>Catalysts</i> , 2021, 11, 227.	1.6	13
5	New Insights into the Antioxidant and Anti-Inflammatory Effects of Italian <i>Salvia officinalis</i> Leaf and Flower Extracts in Lipopolysaccharide and Tumor-Mediated Inflammation Models. <i>Antioxidants</i> , 2021, 10, 311.	2.2	21
6	The mitochondrial aspartate/glutamate carrier (AGC or Aralar1) isoforms in <i>D. melanogaster</i> : biochemical characterization, gene structure, and evolutionary analysis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129854.	1.1	9
7	Anticancer potential of novel $\alpha,\beta$ -unsaturated $\beta$ -lactam derivatives targeting the PI3K/AKT signaling pathway. <i>Biochemical Pharmacology</i> , 2021, 190, 114659.	2.0	8
8	3-Amino-alkylated indoles: unexplored green products acting as anti-inflammatory agents. <i>Future Medicinal Chemistry</i> , 2020, 12, 5-17.	1.1	21
9	Cloning, Purification, and Characterization of the Catalytic C-Terminal Domain of the Human 3-Hydroxy-3-methyl glutaryl-CoA Reductase: An Effective, Fast, and Easy Method for Testing Hypocholesterolemic Compounds. <i>Molecular Biotechnology</i> , 2020, 62, 119-131.	1.3	11
10	Exploration of piperazine-derived thioureas as antibacterial and anti-inflammatory agents. In vitro evaluation against clinical isolates of colistin-resistant <i>Acinetobacter baumannii</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127411.	1.0	10
11	Cholesterol and Mevalonate: Two Metabolites Involved in Breast Cancer Progression and Drug Resistance through the ERK1/2 Pathway. <i>Cells</i> , 2020, 9, 1819.	1.8	34
12	Bortezomib-Loaded Mesoporous Silica Nanoparticles Selectively Alter Metabolism and Induce Death in Multiple Myeloma Cells. <i>Cancers</i> , 2020, 12, 2709.	1.7	15
13	<i>Drosophila melanogaster</i> Mitochondrial Carriers: Similarities and Differences with the Human Carriers. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6052.	1.8	16
14	Chemical Profile, Antioxidant, Anti-Inflammatory, and Anti-Cancer Effects of Italian <i>Salvia rosmarinus</i> Spenn. Methanol Leaves Extracts. <i>Antioxidants</i> , 2020, 9, 826.	2.2	25
15	Targeting the Mitochondrial Metabolic Network: A Promising Strategy in Cancer Treatment. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6014.	1.8	43
16	Mantonico and Pecorello Grape Seed Extracts: Chemical Characterization and Evaluation of In Vitro Wound-Healing and Anti-Inflammatory Activities. <i>Pharmaceuticals</i> , 2020, 13, 97.	1.7	15
17	5-(Carbamoylmethylene)-oxazolidin-2-ones as a Promising Class of Heterocycles Inducing Apoptosis Triggered by Increased ROS Levels and Mitochondrial Dysfunction in Breast and Cervical Cancer. <i>Biomedicines</i> , 2020, 8, 35.	1.4	22
18	Extracts of Different Polarity of <i>Daphne laureola</i> L. as Valuable Source of Antioxidant and Neuroprotective Compounds. <i>Medical Sciences Forum</i> , 2020, 2, .	0.5	0

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19	Antioxidant and Anti-Inflammatory Activities of Flavanones from Glycyrrhiza glabra L. (licorice) Leaf Phytocomplexes: Identification of Licoflavanone as a Modulator of NF- $\kappa$ B/MAPK Pathway. <i>Antioxidants</i> , 2019, 8, 186.	2.2	96
20	Thioalbumide, A Thioamidated Peptide from <i>Amycolatopsis alba</i> , Affects Tumor Growth and Stemness by Inducing Metabolic Dysfunction and Oxidative Stress. <i>Cells</i> , 2019, 8, 1408.	1.8	31
21	An ancient remedial repurposing: synthesis of new pinoembrin fatty acid acyl derivatives as potential antimicrobial/anti-inflammatory agents. <i>Natural Product Research</i> , 2019, 33, 162-168.	1.0	32
22	Bergamot natural products eradicate cancer stem cells (CSCs) by targeting mevalonate, Rho-GDI-signalling and mitochondrial metabolism. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 984-996.	0.5	58
23	The Physiopathological Role of the Exchangers Belonging to the SLC37 Family. <i>Frontiers in Chemistry</i> , 2018, 6, 122.	1.8	29
24	Functional characterization of the partially purified Sac1p independent adenine nucleotide transport system (ANTS) from yeast endoplasmic reticulum. <i>Journal of Biochemistry</i> , 2018, 164, 313-322.	0.9	16
25	GPER, IGF-1R, and EGFR transduction signaling are involved in stimulatory effects of zinc in breast cancer cells and cancer-associated fibroblasts. <i>Molecular Carcinogenesis</i> , 2017, 56, 580-593.	1.3	43
26	Synthesis and Antibacterial Activity of Polymerizable Acryloyloxyalkyltriethyl Ammonium Salts. <i>ChemPlusChem</i> , 2017, 82, 1235-1244.	1.3	13
27	Quercetin and derivatives: useful tools in inflammation and pain management. <i>Future Medicinal Chemistry</i> , 2017, 9, 79-93.	1.1	141
28	Biopolymeric self-assembled nanoparticles for enhanced antibacterial activity of Ag-based compounds. <i>International Journal of Pharmaceutics</i> , 2017, 517, 395-402.	2.6	10
29	A Genomics-Based Approach Identifies a Thioviridamide-Like Compound with Selective Anticancer Activity. <i>ACS Chemical Biology</i> , 2017, 12, 2815-2822.	1.6	88
30	Synthesis and Antibacterial Activity of Polymerizable Acryloyloxyalkyltriethyl Ammonium Salts. <i>ChemPlusChem</i> , 2017, 82, 1233-1234.	1.3	10
31	The lauric acid-activated signaling prompts apoptosis in cancer cells. <i>Cell Death Discovery</i> , 2017, 3, 17063.	2.0	79
32	Mitoriboscins: Mitochondrial-based therapeutics targeting cancer stem cells (CSCs), bacteria and pathogenic yeast. <i>Oncotarget</i> , 2017, 8, 67457-67472.	0.8	36
33	Mitochondrial "power" drives tamoxifen resistance: NQO1 and GCLC are new therapeutic targets in breast cancer. <i>Oncotarget</i> , 2017, 8, 20309-20327.	0.8	65
34	Bedaquiline, an FDA-approved antibiotic, inhibits mitochondrial function and potently blocks the proliferative expansion of stem-like cancer cells (CSCs). <i>Aging</i> , 2016, 8, 1593-1607.	1.4	105
35	Repurposing atovaquone: Targeting mitochondrial complex III and OXPHOS to eradicate cancer stem cells. <i>Oncotarget</i> , 2016, 7, 34084-34099.	0.8	171
36	New insights about the structural rearrangements required for substrate translocation in the bovine mitochondrial oxoglutarate carrier. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016, 1864, 1473-1480.	1.1	18

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37	Recent Advances on the Role of G Protein-Coupled Receptors in Hypoxia-Mediated Signaling. AAPS Journal, 2016, 18, 305-310.	2.2	23
38	Bergamot (Citrus bergamia Risso) Flavonoids and Their Potential Benefits in Human Hyperlipidemia and Atherosclerosis: an Overview. Mini-Reviews in Medicinal Chemistry, 2016, 16, 619-629.	1.1	44
39	Graphene oxide selectively targets cancer stem cells, across multiple tumor types: Implications for non-toxic cancer treatment, via "differentiation-based nano-therapy". Oncotarget, 2015, 6, 3553-3562.	0.8	192
40	Mitochondrial biogenesis is required for the anchorage-independent survival and propagation of stem-like cancer cells. Oncotarget, 2015, 6, 14777-14795.	0.8	225
41	Copper activates HIF-1 $\alpha$ /GPER/VEGF signalling in cancer cells. Oncotarget, 2015, 6, 34158-34177.	0.8	128
42	Doxycycline down-regulates DNA-PK and radiosensitizes tumor initiating cells: Implications for more effective radiation therapy. Oncotarget, 2015, 6, 14005-14025.	0.8	103
43	Sericin/Poly(ethylcyanoacrylate) Nanospheres by Interfacial Polymerization for Enhanced Bioefficacy of Fenofibrate: In Vitro and In Vivo Studies. Biomacromolecules, 2015, 16, 3126-3133.	2.6	28
44	Estrogen related receptor $\beta$ (ERR $\beta$ ) a promising target for the therapy of adrenocortical carcinoma (ACC). Oncotarget, 2015, 6, 25135-25148.	0.8	39
45	Acetylated Hyaluronic Acid: Enhanced Bioavailability and Biological Studies. BioMed Research International, 2014, 2014, 1-7.	0.9	18
46	Mitochondrial tricarboxylate and dicarboxylate "Tricarboxylate carriers: from animals to plants. IUBMB Life, 2014, 66, 462-471.	1.5	43
47	Enhanced cellular uptake by "pharmaceutically oriented devices" of new simplified analogs of Linezolid with antimicrobial activity. International Journal of Pharmaceutics, 2014, 461, 163-170.	2.6	16
48	Hypocholesterolaemic activity of 3-hydroxy-3-methyl-glutaryl flavanones enriched fraction from bergamot fruit (Citrus bergamia): "in vivo" studies. Journal of Functional Foods, 2014, 7, 558-568.	1.6	53
49	Mitochondrial glutamate carriers from Drosophila melanogaster: Biochemical, evolutionary and modeling studies. Biochimica Et Biophysica Acta - Bioenergetics, 2013, 1827, 1245-1255.	0.5	34
50	Mechanisms of divergent effects of activated peroxisome proliferator-activated receptor- $\beta$ on mitochondrial citrate carrier expression in 3T3-L1 fibroblasts and mature adipocytes. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 1027-1036.	1.2	18
51	The Mitochondrial Citrate Carrier (CIC) Is Present and Regulates Insulin Secretion by Human Male Gamete. Endocrinology, 2012, 153, 1743-1754.	1.4	36
52	Modulatory role of Peroxisome Proliferator-Activated Receptor $\beta$ on Citrate Carrier activity and expression. FASEB Journal, 2012, 26, 1034.9.	0.2	0
53	Interaction of fosfomycin with the Glycerol 3-phosphate Transporter of Escherichia coli. Biochimica Et Biophysica Acta - General Subjects, 2011, 1810, 1323-1329.	1.1	22
54	Functional and structural role of amino acid residues in the matrix $\alpha$ -helices, termini and cytosolic loops of the bovine mitochondrial oxoglutarate carrier. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 302-310.	0.5	30

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55	Glycerophospholipid Synthesis as a Novel Drug Target Against Cancer. <i>Current Molecular Pharmacology</i> , 2011, 4, 167-175.	0.7	49
56	An effective strategy for cloning the mitochondrial citrate carrier: identification, characterization and tissue distribution in silver eel. <i>Advances in Bioscience and Biotechnology (Print)</i> , 2011, 02, 157-162.	0.3	3
57	SLC37A1 Gene expression is up-regulated by epidermal growth factor in breast cancer cells. <i>Breast Cancer Research and Treatment</i> , 2010, 122, 755-764.	1.1	32
58	The biochemical properties of the mitochondrial thiamine pyrophosphate carrier from <i>Drosophila melanogaster</i> . <i>FEBS Journal</i> , 2010, 277, 1172-1181.	2.2	34
59	Abundant expression and purification of biologically active mitochondrial citrate carrier in baculovirus-infected insect cells. <i>Journal of Bioenergetics and Biomembranes</i> , 2009, 41, 289-297.	1.0	17
60	Identification of the <i>Drosophila melanogaster</i> Mitochondrial Citrate Carrier: Bacterial Expression, Reconstitution, Functional Characterization and Developmental Distribution. <i>Journal of Biochemistry</i> , 2008, 144, 389-392.	0.9	34
61	Functional and Structural Role of Amino Acid Residues in the Odd-numbered Transmembrane $\alpha$ -Helices of the Bovine Mitochondrial Oxoglutarate Carrier. <i>Journal of Molecular Biology</i> , 2007, 369, 400-412.	2.0	59
62	Functional and Structural Role of Amino Acid Residues in the Even-numbered Transmembrane $\alpha$ -Helices of the Bovine Mitochondrial Oxoglutarate Carrier. <i>Journal of Molecular Biology</i> , 2006, 363, 51-62.	2.0	54
63	Substrate-induced conformational changes of the mitochondrial oxoglutarate carrier: a spectroscopic and molecular modelling study. <i>Molecular Membrane Biology</i> , 2005, 22, 443-452.	2.0	19
64	The Mitochondrial Oxoglutarate Carrier: Structural and Dynamic Properties of Transmembrane Segment IV Studied by Site-Directed Spin Labeling. <i>Biochemistry</i> , 2003, 42, 5493-5499.	1.2	15
65	The Mitochondrial Oxoglutarate Carrier: Cysteine-Scanning Mutagenesis of Transmembrane Domain IV and Sensitivity of Cys Mutants to Sulfhydryl Reagents. <i>Biochemistry</i> , 2001, 40, 15805-15810.	1.2	39
66	Inactivation of the reconstituted oxoglutarate carrier from bovine heart mitochondria by pyridoxal 5'-phosphate. <i>Journal of Bioenergetics and Biomembranes</i> , 1999, 31, 535-541.	1.0	7