

Charles D Searles

List of Publications by Year in descending order

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33
papers

1,965
citations

394421

19
h-index

434195

31
g-index

33
all docs

33
docs citations

33
times ranked

3751
citing authors

#	ARTICLE	IF	CITATIONS
1	MiR-21 is induced in endothelial cells by shear stress and modulates apoptosis and eNOS activity. <i>Biochemical and Biophysical Research Communications</i> , 2010, 393, 643-648.	2.1	348
2	Identification of Therapeutic Covariant MicroRNA Clusters in Hypoxia-Treated Cardiac Progenitor Cell Exosomes Using Systems Biology. <i>Circulation Research</i> , 2015, 116, 255-263.	4.5	328
3	Transcriptional and posttranscriptional regulation of endothelial nitric oxide synthase expression. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 291, C803-C816.	4.6	171
4	In vitro quantification of specific microRNA using molecular beacons. <i>Nucleic Acids Research</i> , 2012, 40, e13-e13.	14.5	102
5	MicroRNA Expression Profile in CAD Patients and the Impact of ACEI/ARB. <i>Cardiology Research and Practice</i> , 2011, 2011, 1-5.	1.1	98
6	An accurate, precise method for general labeling of extracellular vesicles. <i>MethodsX</i> , 2015, 2, 360-367.	1.6	97
7	Platelets confound the measurement of extracellular miRNA in archived plasma. <i>Scientific Reports</i> , 2016, 6, 32651.	3.3	84
8	Posttranscriptional Regulation of Endothelial Nitric Oxide Synthase During Cell Growth. <i>Circulation Research</i> , 1999, 85, 588-595.	4.5	72
9	Actin Cytoskeleton Organization and Posttranscriptional Regulation of Endothelial Nitric Oxide Synthase During Cell Growth. <i>Circulation Research</i> , 2004, 95, 488-495.	4.5	66
10	MiRNA-155 targets myosin light chain kinase and modulates actin cytoskeleton organization in endothelial cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H1192-H1203.	3.2	65
11	Statin Treatment and 3' Polyadenylation of eNOS mRNA. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 2642-2649.	2.4	64
12	TNF- α alters the release and transfer of microparticle-encapsulated miRNAs from endothelial cells. <i>Physiological Genomics</i> , 2014, 46, 833-840.	2.3	62
13	Hypoxia Mediates Mutual Repression between microRNA-27a and PPAR γ 3 in the Pulmonary Vasculature. <i>PLoS ONE</i> , 2013, 8, e79503.	2.5	53
14	Laminar Shear Stress and 3' Polyadenylation of eNOS mRNA. <i>Circulation Research</i> , 2005, 96, 1161-1168.	4.5	50
15	PPAR γ 3 Ligands Attenuate Hypoxia-Induced Proliferation in Human Pulmonary Artery Smooth Muscle Cells through Modulation of MicroRNA-21. <i>PLoS ONE</i> , 2015, 10, e0133391.	2.5	45
16	Peroxisome Proliferator-Activated Receptor γ 3 and microRNA 98 in Hypoxia-Induced Endothelin-1 Signaling. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 54, 136-146.	2.9	40
17	Coronary heart disease alters intercellular communication by modifying microparticle-mediated microRNA transport. <i>FEBS Letters</i> , 2013, 587, 3456-3463.	2.8	37
18	MicroRNA Detection Using a Double Molecular Beacon Approach: Distinguishing Between miRNA and Pre-miRNA. <i>Theranostics</i> , 2017, 7, 634-646.	10.0	30

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19	The Nitric Oxide Pathway and Oxidative Stress in Heart Failure. <i>Congestive Heart Failure</i> , 2002, 8, 142-155.	2.0	26
20	The effect of aluminum on markers for synaptic neurotransmission, cyclic AMP, and neurofilaments in a neuroblastoma Å— glioma hybridoma (NG108-15). <i>Brain Research</i> , 1990, 528, 73-79.	2.2	17
21	Cardiovascular Risk and Resilience Among Black Adults: Rationale and Design of the MECA Study. <i>Journal of the American Heart Association</i> , 2020, 9, e015247.	3.7	17
22	The Use of Molecular Beacons to Detect and Quantify MicroRNA. <i>Methods in Molecular Biology</i> , 2013, 1039, 279-287.	0.9	17
23	Individual Psychosocial Resilience, Neighborhood Context, and Cardiovascular Health in Black Adults. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2020, 13, e006638.	2.2	14
24	Pleomorphic Structures in Human Blood Are Red Blood Cell-Derived Microparticles, Not Bacteria. <i>PLoS ONE</i> , 2016, 11, e0163582.	2.5	13
25	Laminar Shear Stress Modulates Phosphorylation and Localization of RNA Polymerase II on the Endothelial Nitric Oxide Synthase Gene. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 561-567.	2.4	12
26	The identification and characterization of a GABAergic system in the cholinergic neuroblastoma x glioma hybrid clone NG108-15. <i>Brain Research</i> , 1988, 448, 373-376.	2.2	11
27	Molecular beacons can assess changes in expression and 3' polyadenylation of human eNOS mRNA. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 296, C498-C504.	4.6	8
28	Using information theory to assess the communicative capacity of circulating microRNA. <i>Biochemical and Biophysical Research Communications</i> , 2013, 440, 1-7.	2.1	8
29	Shear sensitive microRNAs and atherosclerosis. <i>Biorheology</i> , 2014, 51, 147-158.	0.4	5
30	Effects of anticonvulsants on cholinergic and GABAergic properties in the neuronal cell clone NG108-15. <i>Neurochemical Research</i> , 1988, 13, 1007-1013.	3.3	3
31	Shear-responsive miR-155 Regulates Endothelial Cell Phenotype and Function. <i>FASEB Journal</i> , 2012, 26, 1151.7.	0.5	2
32	Detection and Assessment of MicroRNA Expression in Human Disease. <i>RNA Technologies</i> , 2015, , 333-349.	0.3	0
33	Overexpression of mir181a protects against Ang II induced osteopontin expression in VSMC. <i>FASEB Journal</i> , 2012, 26, 1151.4.	0.5	0