

Randall S Peterson

List of Publications by Year in descending order

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Version: 2024-02-01

116
papers

13,801
citations

50276

46
h-index

27406

106
g-index

131
all docs

131
docs citations

131
times ranked

16134
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient genome editing in zebrafish using a CRISPR-Cas system. <i>Nature Biotechnology</i> , 2013, 31, 227-229.	17.5	2,638
2	Engineered CRISPR-Cas9 nucleases with altered PAM specificities. <i>Nature</i> , 2015, 523, 481-485.	27.8	1,388
3	Task conflict and relationship conflict in top management teams: The pivotal role of intragroup trust.. <i>Journal of Applied Psychology</i> , 2000, 85, 102-111.	5.3	1,328
4	Zebrafish as tools for drug discovery. <i>Nature Reviews Drug Discovery</i> , 2015, 14, 721-731.	46.4	888
5	Zebrafish Behavioral Profiling Links Drugs to Biological Targets and Rest/Wake Regulation. <i>Science</i> , 2010, 327, 348-351.	12.6	681
6	Rapid behavior-based identification of neuroactive small molecules in the zebrafish. <i>Nature Chemical Biology</i> , 2010, 6, 231-237.	8.0	482
7	The impact of chief executive officer personality on top management team dynamics: One mechanism by which leadership affects organizational performance.. <i>Journal of Applied Psychology</i> , 2003, 88, 795-808.	5.3	468
8	The Elusive Cultural Chameleon: Cultural Intelligence as a New Approach to Intercultural Training for the Global Manager. <i>Academy of Management Learning and Education</i> , 2004, 3, 100-115.	2.5	445
9	The critical role of conflict resolution in teams: A close look at the links between conflict type, conflict management strategies, and team outcomes.. <i>Journal of Applied Psychology</i> , 2008, 93, 170-188.	5.3	347
10	Use of Zebrafish in Drug Discovery Toxicology. <i>Chemical Research in Toxicology</i> , 2020, 33, 95-118.	3.3	315
11	The dynamic relationship between performance feedback, trust, and conflict in groups: A longitudinal study. <i>Organizational Behavior and Human Decision Processes</i> , 2003, 92, 102-112.	2.5	260
12	15 years of zebrafish chemical screening. <i>Current Opinion in Chemical Biology</i> , 2015, 24, 58-70.	6.1	239
13	Conflict in Small Groups: The Meaning and Consequences of Process Conflict. <i>Small Group Research</i> , 2011, 42, 127-176.	2.7	164
14	Use of non-mammalian alternative models for neurotoxicological study. <i>NeuroToxicology</i> , 2008, 29, 546-555.	3.0	154
15	Zebrafish-Based Small Molecule Discovery. <i>Chemistry and Biology</i> , 2003, 10, 901-908.	6.0	152
16	Systematic Approaches to Toxicology in the Zebrafish. <i>Annual Review of Pharmacology and Toxicology</i> , 2012, 52, 433-453.	9.4	150
17	The zebrafish as a tool to identify novel therapies for human cardiovascular disease. <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 763-767.	2.4	141
18	Assessing political group dynamics: A test of the groupthink model.. <i>Journal of Personality and Social Psychology</i> , 1992, 63, 403-425.	2.8	129

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19	Zebrafish behavioral profiling identifies multitarget antipsychotic-like compounds. <i>Nature Chemical Biology</i> , 2016, 12, 559-566.	8.0	124
20	The slavery debate in antebellum America: Cognitive style, value conflict, and the limits of compromise.. <i>Journal of Personality and Social Psychology</i> , 1994, 66, 115-126.	2.8	120
21	Dimethylguanidino valeric acid is a marker of liver fat and predicts diabetes. <i>Journal of Clinical Investigation</i> , 2017, 127, 4394-4402.	8.2	115
22	Flattering and unflattering personality portraits of integratively simple and complex managers.. <i>Journal of Personality and Social Psychology</i> , 1993, 64, 500-511.	2.8	114
23	A directive leadership style in group decision making can be both virtue and vice: Evidence from elite and experimental groups.. <i>Journal of Personality and Social Psychology</i> , 1997, 72, 1107-1121.	2.8	110
24	Visnagin protects against doxorubicin-induced cardiomyopathy through modulation of mitochondrial malate dehydrogenase. <i>Science Translational Medicine</i> , 2014, 6, 266ra170.	12.4	109
25	Group Dynamics in Top Management Teams: Groupthink, Vigilance, and Alternative Models of Organizational Failure and Success. <i>Organizational Behavior and Human Decision Processes</i> , 1998, 73, 272-305.	2.5	107
26	Introduction to the Special Issue: Bringing Status to the Table—Attaining, Maintaining, and Experiencing Status in Organizations and Markets. <i>Organization Science</i> , 2012, 23, 299-307.	4.5	106
27	Bioorthogonal Removal of 3-Isocyanopropyl Groups Enables the Controlled Release of Fluorophores and Drugs in Vivo. <i>Journal of the American Chemical Society</i> , 2018, 140, 8410-8414.	13.7	103
28	A Dynamic Perspective on Diverse Teams: Moving from the Dual-Process Model to a Dynamic Coordination-based Model of Diverse Team Performance. <i>Academy of Management Annals</i> , 2016, 10, 453-493.	9.6	102
29	Photochemical activation of TRPA1 channels in neurons and animals. <i>Nature Chemical Biology</i> , 2013, 9, 257-263.	8.0	97
30	Focus Versus Flexibility Majority and Minority Influence Can Both Improve Performance. <i>Personality and Social Psychology Bulletin</i> , 1996, 22, 14-23.	3.0	96
31	7. A contingent configuration approach to understanding the role of personality in organizational groups. <i>Research in Organizational Behavior</i> , 2001, 23, 327-378.	1.2	88
32	Using the Zebrafish Photomotor Response for Psychotropic Drug Screening. <i>Methods in Cell Biology</i> , 2011, 105, 517-524.	1.1	81
33	A small-molecule allosteric inhibitor of BAX protects against doxorubicin-induced cardiomyopathy. <i>Nature Cancer</i> , 2020, 1, 315-328.	13.2	78
34	A Small Molecule that Induces Intrinsic Pathway Apoptosis with Unparalleled Speed. <i>Cell Reports</i> , 2015, 13, 2027-2036.	6.4	76
35	Designing Zebrafish Chemical Screens. <i>Methods in Cell Biology</i> , 2011, 105, 525-541.	1.1	67
36	Stable, Reactive, and Orthogonal Tetrazines: Dispersion Forces Promote the Cycloaddition with Isonitriles. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9043-9048.	13.8	67

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37	Can You have too Much of a Good Thing? The Limits of Voice for Improving Satisfaction with Leaders. <i>Personality and Social Psychology Bulletin</i> , 1999, 25, 313-324.	3.0	65
38	Sinking slowly: Diversity in propensity to trust predicts downward trust spirals in small groups.. <i>Journal of Applied Psychology</i> , 2015, 100, 1012-1024.	5.3	65
39	Discovery and Use of Small Molecules for Probing Biological Processes in Zebrafish. <i>Methods in Cell Biology</i> , 2004, 76, 569-591.	1.1	63
40	Chemical biology and the limits of reductionism. <i>Nature Chemical Biology</i> , 2008, 4, 635-638.	8.0	63
41	Metabolite profiling identifies anandamide as a biomarker of nonalcoholic steatohepatitis. <i>JCI Insight</i> , 2017, 2, .	5.0	62
42	PTPMT1 Inhibition Lowers Glucose through Succinate Dehydrogenase Phosphorylation. <i>Cell Reports</i> , 2015, 10, 694-701.	6.4	61
43	Developing zebrafish disease models for in vivo small molecule screens. <i>Current Opinion in Chemical Biology</i> , 2019, 50, 37-44.	6.1	60
44	The zebrafish subcortical social brain as a model for studying social behavior disorders. <i>DMM Disease Models and Mechanisms</i> , 2019, 12, .	2.4	59
45	The Role of Values in Predicting Fairness Judgments and Support of Affirmative Action. <i>Journal of Social Issues</i> , 1994, 50, 95-115.	3.3	55
46	Intravital correlated microscopy reveals differential macrophage and microglial dynamics during resolution of neuroinflammation. <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 857-869.	2.4	52
47	Development of an opioid self-administration assay to study drug seeking in zebrafish. <i>Behavioural Brain Research</i> , 2017, 335, 158-166.	2.2	47
48	High-throughput screening for selective appetite modulators: A multibehavioral and translational drug discovery strategy. <i>Science Advances</i> , 2018, 4, eaav1966.	10.3	46
49	Isonitrile-responsive and bioorthogonally removable tetrazine protecting groups. <i>Chemical Science</i> , 2020, 11, 169-179.	7.4	41
50	A zebrafish model of chordoma initiated by notochord-driven expression of HRASV12. <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 907-13.	2.4	39
51	A Dynamic Perspective on Diverse Teams: Moving from the Dual-Process Model to a Dynamic Coordination-based Model of Diverse Team Performance. <i>Academy of Management Annals</i> , 2016, 10, 453-493.	9.6	39
52	Behavioral barcoding in the cloud: embracing data-intensive digital phenotyping in neuropharmacology. <i>Trends in Biotechnology</i> , 2012, 30, 421-425.	9.3	38
53	Î¶1 receptor ligands control a switch between passive and active threat responses. <i>Nature Chemical Biology</i> , 2016, 12, 552-558.	8.0	37
54	MIC-Drop: A platform for large-scale in vivo CRISPR screens. <i>Science</i> , 2021, 373, 1146-1151.	12.6	36

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55	Things Are Not Always What They Seem: The Origins and Evolution of Intragroup Conflict. <i>Administrative Science Quarterly</i> , 2021, 66, 426-474.	6.9	34
56	Zebrafish Models of Cerebrovascular Disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 571-577.	4.3	33
57	Highly potent visnagin derivatives inhibit Cyp1 and prevent doxorubicin cardiotoxicity. <i>JCI Insight</i> , 2018, 3, .	5.0	31
58	Fetal alcohol spectrum disorder predisposes to metabolic abnormalities in adulthood. <i>Journal of Clinical Investigation</i> , 2020, 130, 2252-2269.	8.2	31
59	Methods for targeted mutagenesis in zebrafish using TALENs. <i>Methods</i> , 2014, 69, 76-84.	3.8	30
60	The Process of Team Boundary Spanning in Multi-Organizational Contexts. <i>Small Group Research</i> , 2014, 45, 506-538.	2.7	29
61	Chemical Screening in Zebrafish. <i>Methods in Molecular Biology</i> , 2016, 1451, 3-16.	0.9	27
62	Zebrafish behavioural profiling identifies GABA and serotonin receptor ligands related to sedation and paradoxical excitation. <i>Nature Communications</i> , 2019, 10, 4078.	12.8	27
63	Loss of <i>ihl</i> in the zebrafish pronephros recapitulates early stages of human clear cell renal cell carcinoma. <i>DMM Disease Models and Mechanisms</i> , 2016, 9, 873-884.	2.4	23
64	Cultural Intelligence and the Multinational Team Experience: Does the Experience of Working in a Multinational Team Improve Cultural Intelligence?. <i>Research on Managing Groups and Teams</i> , 0, , 299-323.	0.6	22
65	TRPswitch: A Step-Function Chemo-optogenetic Ligand for the Vertebrate TRPA1 Channel. <i>Journal of the American Chemical Society</i> , 2020, 142, 17457-17468.	13.7	20
66	Alk3, a BMP Type I Receptor Is Required for the Induction of Hepatic Hcpidin Gene Expression by Interleukin-6. <i>Blood</i> , 2011, 118, 686-686.	1.4	18
67	The Group Dynamics Q-Sort in Organizational Research: A New Method for Studying Familiar Problems. <i>Organizational Research Methods</i> , 1999, 2, 107-139.	9.1	17
68	Cisplatin Analogs Confer Protection against Cyanide Poisoning. <i>Cell Chemical Biology</i> , 2017, 24, 565-575.e4.	5.2	17
69	Intramuscular administration of hexachloroplatinate reverses cyanide-induced metabolic derangements and counteracts severe cyanide poisoning. <i>FASEB BioAdvances</i> , 2019, 1, 81-92.	2.4	17
70	Choosing between a rock and a hard place when data are scarce and the questions important: Reply to Hollenbeck, DeRue, and Mannor (2006).. <i>Journal of Applied Psychology</i> , 2006, 91, 6-8.	5.3	16
71	Efficacy of Ciprofloxacin/Celecoxib combination in zebrafish models of amyotrophic lateral sclerosis. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 1883-1897.	3.7	16
72	A high-conductance chemo-optogenetic system based on the vertebrate channel Trpa1b. <i>Scientific Reports</i> , 2017, 7, 11839.	3.3	15

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73	Cyp1 Inhibition Prevents Doxorubicin-Induced Cardiomyopathy in a Zebrafish Heart Failure Model. <i>ChemBioChem</i> , 2020, 21, 1905-1910.	2.6	15
74	Single Amino Acid Variation Underlies Species-Specific Sensitivity to Amphibian Skin-Derived Opioid-like Peptides. <i>Chemistry and Biology</i> , 2015, 22, 764-775.	6.0	14
75	Genetic deletion of <i>gpr27</i> alters acylcarnitine metabolism, insulin sensitivity, and glucose homeostasis in zebrafish. <i>FASEB Journal</i> , 2020, 34, 1546-1557.	0.5	13
76	Identification of specific metabolic pathways as druggable targets regulating the sensitivity to cyanide poisoning. <i>PLoS ONE</i> , 2018, 13, e0193889.	2.5	12
77	Stable, Reactive, and Orthogonal Tetrazines: Dispersion Forces Promote the Cycloaddition with Isonitriles. <i>Angewandte Chemie</i> , 2019, 131, 9141-9146.	2.0	12
78	Parallel Reaction Monitoring reveals structure-specific ceramide alterations in the zebrafish. <i>Scientific Reports</i> , 2019, 9, 19939.	3.3	12
79	The 5 α -reductase inhibitor finasteride reduces opioid self-administration in animal models of opioid use disorder. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	12
80	Corticosteroid sensitization drives opioid addiction. <i>Molecular Psychiatry</i> , 2022, 27, 2492-2501.	7.9	12
81	Discovery of therapeutic targets by phenotype-based zebrafish screens. <i>Drug Discovery Today: Technologies</i> , 2004, 1, 49-54.	4.0	10
82	Bonnevillamides, Linear Heptapeptides Isolated from a Great Salt Lake-Derived <i>Streptomyces</i> sp.. <i>Marine Drugs</i> , 2017, 15, 195.	4.6	10
83	Screening Platforms for Genetic Epilepsies in Zebrafish, iPSC-Derived Neurons, and Organoids. <i>Neurotherapeutics</i> , 2021, 18, 1478-1489.	4.4	10
84	Boholamide A, an APD-Class, Hypoxia-Selective Cyclodepsipeptide. <i>Journal of Natural Products</i> , 2020, 83, 1249-1257.	3.0	9
85	Emerimicins X, 15-Residue Peptaibols Discovered from an <i>Acremonium</i> sp. through Integrated Genomic and Chemical Approaches. <i>Journal of Natural Products</i> , 2021, 84, 1113-1126.	3.0	9
86	"The critical role of conflict resolution in teams: A close look at the links between conflict type, conflict management strategies, and team outcomes": Correction.. <i>Journal of Applied Psychology</i> , 2008, 93, 462-462.	5.3	8
87	Task Conflict and Relationship Conflict in Top Management Teams: The Pivotal Role of Intragroup Trust.. <i>Proceedings - Academy of Management</i> , 1998, 1998, A1-A8.	0.1	7
88	Leadership and conflict: Using power to manage conflict in groups for better rather than worse. , 2009, , 281-298.		7
89	An in vivo drug repurposing screen and transcriptional analyses reveals the serotonin pathway and GSK3 as major therapeutic targets for NGLY1 deficiency. <i>PLoS Genetics</i> , 2022, 18, e1010228.	3.5	7
90	A Multi-faceted Approach to Process Conflict. <i>SSRN Electronic Journal</i> , 2002, , .	0.4	6

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91	A Noncanonical Path to Mechanism of Action. <i>Chemistry and Biology</i> , 2006, 13, 924-926.	6.0	6
92	5-Nitrofurans and Cancer: Teaching an Old Drug New Tricks. <i>Cell Chemical Biology</i> , 2018, 25, 1439-1440.	5.2	6
93	From phenotype to mechanism after zebrafish small molecule screens. <i>Drug Discovery Today: Disease Models</i> , 2013, 10, e51-e55.	1.2	5
94	Automated quantification of Zebrafish tail deformation for high-throughput drug screening. , 2013, , 902-905.		5
95	Noncanonical translation via deadenylated 3' UTRs maintains primordial germ cells. <i>Nature Chemical Biology</i> , 2018, 14, 844-852.	8.0	5
96	Team Composition Revisited: A Team Member Attribute Alignment Approach. <i>Organizational Research Methods</i> , 2022, 25, 642-672.	9.1	5
97	Leadership in Small Groups and Teams: Toward a Theory of Group Leadership. <i>Research on Managing Groups and Teams</i> , 2012, , 27-47.	0.6	4
98	Discovery of a Potent Conorfamide from <i>Conus episcopatus</i> Using a Novel Zebrafish Larvae Assay. <i>Journal of Natural Products</i> , 2021, 84, 1232-1243.	3.0	4
99	Nicotinic Acetylcholine Receptor Partial Antagonist Polyamides from Tunicates and Their Predatory Sea Slugs. <i>ACS Chemical Neuroscience</i> , 2021, 12, 2693-2704.	3.5	4
100	Glyoxylate protects against cyanide toxicity through metabolic modulation. <i>Scientific Reports</i> , 2022, 12, 4982.	3.3	4
101	A countermeasure development pipeline. <i>Annals of the New York Academy of Sciences</i> , 2016, 1378, 58-67.	3.8	3
102	Rapid Mounting of Zebrafish Larvae for Brain Imaging. <i>Zebrafish</i> , 2021, 18, 376-379.	1.1	2
103	Cell Signaling (Reporters and Chemical Screens). <i>Zebrafish</i> , 2008, 5, 201-203.	1.1	1
104	Changing the scale and efficiency of chemical warfare countermeasure discovery using the zebrafish. <i>Drug Discovery Today: Disease Models</i> , 2013, 10, e37-e42.	1.2	1
105	Sinking Slowly: Asymmetry in Propensity to Trust Predicts Downward Trust Spirals in Small Groups. <i>Proceedings - Academy of Management</i> , 2014, 2014, 13749.	0.1	1
106	Strategies for developing trust through constructive conflict resolution in teams. , 2014, , .		1
107	Why and When is Narcissistic Leader Harmful: Exploring Mediating Mechanisms and Boundary Conditions. <i>Proceedings - Academy of Management</i> , 2019, 2019, 11470.	0.1	1
108	Things Are Not Always What They Seem: The Origins and Evolution of Intragroup Conflict. <i>Proceedings - Academy of Management</i> , 2019, 2019, 11498.	0.1	1

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109	Introduction to Point/Counterpoint. <i>Small Group Research</i> , 2011, 42, 341-342.	2.7	0
110	Stable, Reactive, and Orthogonal Tetrazines: Dispersion Forces Promote the Cycloaddition with Isonitriles (<i>Angew. Chem.</i> 27/2019). <i>Angewandte Chemie</i> , 2019, 131, 9390-9390.	2.0	0
111	In the Space Between the Group and the Individual: The Microfoundations of Intragroup Conflict. <i>Proceedings - Academy of Management</i> , 2020, 2020, 13395.	0.1	0
112	Chemical Genetics: Manipulating the Germline with Small Molecules. <i>Methods in Molecular Biology</i> , 2021, 2218, 61-73.	0.9	0
113	Regenerative Pathways Probed Using Chemical Genetics in Zebrafish. <i>FASEB Journal</i> , 2007, 21, A626.	0.5	0
114	Connecting development and disease pathways through zebrafish chemical biology. <i>FASEB Journal</i> , 2008, 22, 532.1.	0.5	0
115	Role of BMP Signaling In the Anemia of Chronic Disease. <i>Blood</i> , 2010, 116, 2043-2043.	1.4	0
116	Causes and Consequences of Perceptions of Intragroup Conflict Asymmetry. <i>Proceedings - Academy of Management</i> , 2012, 2012, 12237.	0.1	0