

# Deborah A Shear

## List of Publications by Year in descending order

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64  
papers

2,514  
citations

172457

29  
h-index

206112

48  
g-index

64  
all docs

64  
docs citations

64  
times ranked

2659  
citing authors

#	ARTICLE	IF	CITATIONS
1	Laminin and fibronectin scaffolds enhance neural stem cell transplantation into the injured brain. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2009, 3, 208-217.	2.7	193
2	Progesterone Protects against Necrotic Damage and Behavioral Abnormalities Caused by Traumatic Brain Injury. <i>Experimental Neurology</i> , 2002, 178, 59-67.	4.1	160
3	Neural progenitor cell transplants promote long-term functional recovery after traumatic brain injury. <i>Brain Research</i> , 2004, 1026, 11-22.	2.2	156
4	Fibronectin Promotes Survival and Migration of Primary Neural Stem Cells Transplanted into the Traumatically Injured Mouse Brain. <i>Cell Transplantation</i> , 2002, 11, 283-295.	2.5	130
5	Comparison of intrastriatal injections of quinolinic acid and 3-nitropropionic acid for use in animal models of Huntington's disease. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 1998, 22, 1217-1240.	4.8	97
6	Longitudinal Characterization of Motor and Cognitive Deficits in a Model of Penetrating Ballistic-Like Brain Injury. <i>Journal of Neurotrauma</i> , 2010, 27, 1911-1923.	3.4	79
7	Approach to Modeling, Therapy Evaluation, Drug Selection, and Biomarker Assessments for a Multicenter Pre-Clinical Drug Screening Consortium for Acute Therapies in Severe Traumatic Brain Injury: Operation Brain Trauma Therapy. <i>Journal of Neurotrauma</i> , 2016, 33, 513-522.	3.4	78
8	Insight into Pre-Clinical Models of Traumatic Brain Injury Using Circulating Brain Damage Biomarkers: Operation Brain Trauma Therapy. <i>Journal of Neurotrauma</i> , 2016, 33, 595-605.	3.4	71
9	Pre-Clinical Testing of Therapies for Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2018, 35, 2737-2754.	3.4	68
10	NNZ-2566 treatment inhibits neuroinflammation and pro-inflammatory cytokine expression induced by experimental penetrating ballistic-like brain injury in rats. <i>Journal of Neuroinflammation</i> , 2009, 6, 19.	7.2	67
11	Gut Microbiota as a Therapeutic Target to Ameliorate the Biochemical, Neuroanatomical, and Behavioral Effects of Traumatic Brain Injuries. <i>Frontiers in Neurology</i> , 2019, 10, 875.	2.4	65
12	Nicotinamide Treatment in Traumatic Brain Injury: Operation Brain Trauma Therapy. <i>Journal of Neurotrauma</i> , 2016, 33, 523-537.	3.4	63
13	Synthesis of Findings, Current Investigations, and Future Directions: Operation Brain Trauma Therapy. <i>Journal of Neurotrauma</i> , 2016, 33, 606-614.	3.4	61
14	Levetiracetam Treatment in Traumatic Brain Injury: Operation Brain Trauma Therapy. <i>Journal of Neurotrauma</i> , 2016, 33, 581-594.	3.4	60
15	Early Microglial Activation Following Closed-Head Concussive Injury Is Dominated by Pro-Inflammatory M-1 Type. <i>Frontiers in Neurology</i> , 2018, 9, 964.	2.4	57
16	Chronic Administration of Quinolinic Acid in the Rat Striatum Causes Spatial Learning Deficits in a Radial Arm Water Maze Task. <i>Experimental Neurology</i> , 1998, 150, 305-311.	4.1	52
17	Biomarkers Track Damage after Graded Injury Severity in a Rat Model of Penetrating Brain Injury. <i>Journal of Neurotrauma</i> , 2013, 30, 1161-1169.	3.4	51
18	Erythropoietin Treatment in Traumatic Brain Injury: Operation Brain Trauma Therapy. <i>Journal of Neurotrauma</i> , 2016, 33, 538-552.	3.4	51

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19	Severity Profile of Penetrating Ballistic-Like Brain Injury on Neurofunctional Outcome, Bloodâ€“Brain Barrier Permeability, and Brain Edema Formation. <i>Journal of Neurotrauma</i> , 2011, 28, 2185-2195.	3.4	47
20	Brain-related proteins as serum biomarkers of acute, subconcussive blast overpressure exposure: A cohort study of military personnel. <i>PLoS ONE</i> , 2019, 14, e0221036.	2.5	46
21	Cyclosporine Treatment in Traumatic Brain Injury: Operation Brain Trauma Therapy. <i>Journal of Neurotrauma</i> , 2016, 33, 553-566.	3.4	44
22	Multi-Center Pre-clinical Consortia to Enhance Translation of Therapies and Biomarkers for Traumatic Brain Injury: Operation Brain Trauma Therapy and Beyond. <i>Frontiers in Neurology</i> , 2018, 9, 640.	2.4	42
23	Functional and Molecular Correlates after Single and Repeated Rat Closed-Head Concussion: Indices of Vulnerability after Brain Injury. <i>Journal of Neurotrauma</i> , 2017, 34, 2768-2789.	3.4	41
24	Operation Brain Trauma Therapy: 2016 Update. <i>Military Medicine</i> , 2018, 183, 303-312.	0.8	41
25	Simvastatin Treatment in Traumatic Brain Injury: Operation Brain Trauma Therapy. <i>Journal of Neurotrauma</i> , 2016, 33, 567-580.	3.4	40
26	Stem cell survival and functional outcome after traumatic brain injury is dependent on transplant timing and location. <i>Restorative Neurology and Neuroscience</i> , 2011, 29, 215-225.	0.7	37
27	Correlations between Bloodâ€“Brain Barrier Disruption and Neuroinflammation in an Experimental Model of Penetrating Ballistic-Like Brain Injury. <i>Journal of Neurotrauma</i> , 2014, 31, 505-514.	3.4	35
28	Synergism of human amnion-derived multipotent progenitor (AMP) cells and a collagen scaffold in promoting brain wound recovery: Pre-clinical studies in an experimental model of penetrating ballistic-like brain injury. <i>Brain Research</i> , 2011, 1368, 71-81.	2.2	34
29	A Novel Animal Model of Closed-Head Concussive-Induced Mild Traumatic Brain Injury: Development, Implementation, and Characterization. <i>Journal of Neurotrauma</i> , 2012, 29, 268-280.	3.4	33
30	Serum Glial Fibrillary Acidic Protein Predicts Tissue Glial Fibrillary Acidic Protein Break-Down Products and Therapeutic Efficacy after Penetrating Ballistic-Like Brain Injury. <i>Journal of Neurotrauma</i> , 2016, 33, 147-156.	3.4	29
31	Comprehensive Profile of Acute Mitochondrial Dysfunction in a Preclinical Model of Severe Penetrating TBI. <i>Frontiers in Neurology</i> , 2019, 10, 605.	2.4	29
32	Subacute Changes in Cleavage Processing of Amyloid Precursor Protein and Tau following Penetrating Traumatic Brain Injury. <i>PLoS ONE</i> , 2016, 11, e0158576.	2.5	28
33	Quinolinic Acid Released from Polymeric Brain Implants Causes Behavioral and Neuroanatomical Alterations in a Rodent Model of Huntington's Disease. <i>Experimental Neurology</i> , 2000, 163, 430-439.	4.1	27
34	Intravenous Administration of Simvastatin Improves Cognitive Outcome following Severe Traumatic Brain Injury in Rats. <i>Journal of Neurotrauma</i> , 2016, 33, 1492-1500.	3.4	26
35	Amelioration of Penetrating Ballistic-Like Brain Injury Induced Cognitive Deficits after Neuronal Differentiation of Transplanted Human Neural Stem Cells. <i>Journal of Neurotrauma</i> , 2017, 34, 1981-1995.	3.4	26
36	Serum-Based Phospho-Neurofilament-Heavy Protein as Theranostic Biomarker in Three Models of Traumatic Brain Injury: An Operation Brain Trauma Therapy Study. <i>Journal of Neurotrauma</i> , 2019, 36, 348-359.	3.4	26

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37	Neuroprotective profile of dextromethorphan in an experimental model of penetrating ballistic-like brain injury. <i>Pharmacology Biochemistry and Behavior</i> , 2009, 94, 56-62.	2.9	25
38	The Acute Effects of Hemorrhagic Shock on Cerebral Blood Flow, Brain Tissue Oxygen Tension, and Spreading Depolarization following Penetrating Ballistic-Like Brain Injury. <i>Journal of Neurotrauma</i> , 2013, 30, 1288-1298.	3.4	25
39	Glibenclamide Treatment in Traumatic Brain Injury: Operation Brain Trauma Therapy. <i>Journal of Neurotrauma</i> , 2021, 38, 628-645.	3.4	20
40	Penetrating Traumatic Brain Injury Triggers Dysregulation of Cathepsin B Protein Levels Independent of Cysteine Protease Activity in Brain and Cerebral Spinal Fluid. <i>Journal of Neurotrauma</i> , 2020, 37, 1574-1586.	3.4	19
41	A comparison of two cognitive test paradigms in a penetrating brain injury model. <i>Journal of Neuroscience Methods</i> , 2010, 189, 84-87.	2.5	18
42	Dual Therapeutic Effects of C-10068, a Dextromethorphan Derivative, Against Post-Traumatic Nonconvulsive Seizures and Neuroinflammation in a Rat Model of Penetrating Ballistic-Like Brain Injury. <i>Journal of Neurotrauma</i> , 2015, 32, 1621-1632.	3.4	17
43	Comprehensive Evaluation of Neuroprotection Achieved by Extended Selective Brain Cooling Therapy in a Rat Model of Penetrating Ballistic-Like Brain Injury. <i>Therapeutic Hypothermia and Temperature Management</i> , 2016, 6, 30-39.	0.9	17
44	Cerebrospinal Fluid Biomarkers Are Associated With Glial Fibrillary Acidic Protein and $\beta$ -II-spectrin Breakdown Products in Brain Tissues Following Penetrating Ballistic-Like Brain Injury in Rats. <i>Frontiers in Neurology</i> , 2018, 9, 490.	2.4	17
45	Ethosuximide and Phenytoin Dose-Dependently Attenuate Acute Nonconvulsive Seizures after Traumatic Brain Injury in Rats. <i>Journal of Neurotrauma</i> , 2013, 30, 1973-1982.	3.4	16
46	Long-term administration of amnion-derived cellular cytokine suspension promotes functional recovery in a model of penetrating ballistic-like brain injury. <i>Journal of Trauma and Acute Care Surgery</i> , 2012, 73, S156-S164.	2.1	14
47	Brain oxygen tension monitoring following penetrating ballistic-like brain injury in rats. <i>Journal of Neuroscience Methods</i> , 2012, 203, 115-121.	2.5	13
48	Treatment with amnion-derived cellular cytokine solution (ACCS) induces persistent motor improvement and ameliorates neuroinflammation in a rat model of penetrating ballistic-like brain injury. <i>Restorative Neurology and Neuroscience</i> , 2015, 33, 189-203.	0.7	13
49	Penetrating Ballistic-Like Brain Injury Leads to MicroRNA Dysregulation, BACE1 Upregulation, and Amyloid Precursor Protein Loss in Lesioned Rat Brain Tissues. <i>Frontiers in Neuroscience</i> , 2020, 14, 915.	2.8	13
50	Advanced and High-Throughput Method for Mitochondrial Bioenergetics Evaluation in Neurotrauma. <i>Methods in Molecular Biology</i> , 2016, 1462, 597-610.	0.9	12
51	Human neural stem cell transplant location-dependent neuroprotection and motor deficit amelioration in rats with penetrating traumatic brain injury. <i>Journal of Trauma and Acute Care Surgery</i> , 2020, 88, 477-485.	2.1	10
52	A Military-Centered Approach to Neuroprotection for Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2013, 4, 73.	2.4	9
53	Alterations in brain-derived neurotrophic factor and insulin-like growth factor-1 protein levels after penetrating ballistic-like brain injury in rats. <i>Journal of Trauma and Acute Care Surgery</i> , 2017, 83, S16-S24.	2.1	9
54	Neuroprotection of Selective Brain Cooling After Penetrating Ballistic-like Brain Injury in Rats. <i>Therapeutic Hypothermia and Temperature Management</i> , 2011, 1, 33-42.	0.9	8

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55	Post-Traumatic Epilepsy and Seizure Susceptibility in Rat Models of Penetrating and Closed-Head Brain Injury. <i>Journal of Neurotrauma</i> , 2020, 37, 236-247.	3.4	8
56	Neuroprotection and anti-seizure effects of levetiracetam in a rat model of penetrating ballistic-like brain injury. <i>Restorative Neurology and Neuroscience</i> , 2016, 34, 257-270.	0.7	7
57	Time-Course Evaluation of Brain Regional Mitochondrial Bioenergetics in a Pre-Clinical Model of Severe Penetrating Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2021, 38, 2323-2334.	3.4	7
58	Editorial: Developing Successful Neuroprotective Treatments for TBI: Translational Approaches, Novel Directions, Opportunities and Challenges. <i>Frontiers in Neurology</i> , 2019, 10, 1326.	2.4	5
59	Kollidon VA64 Treatment in Traumatic Brain Injury: Operation Brain Trauma Therapy. <i>Journal of Neurotrauma</i> , 2021, 38, 2454-2472.	3.4	5
60	Combination therapy of levetiracetam and gabapentin against nonconvulsive seizures induced by penetrating traumatic brain injury. <i>Journal of Trauma and Acute Care Surgery</i> , 2017, 83, S25-S34.	2.1	4
61	Multifaceted Benefit of Whole Blood Versus Lactated Ringer's Resuscitation After Traumatic Brain Injury and Hemorrhagic Shock in Mice. <i>Neurocritical Care</i> , 2021, 34, 781-794.	2.4	4
62	Differential Effects of Caffeine on Motor and Cognitive Outcomes of Penetrating Ballistic-Like Brain Injury. <i>Military Medicine</i> , 2019, 184, 291-300.	0.8	3
63	Alterations in Peripheral Organs following Combined Hypoxemia and Hemorrhagic Shock in a Rat Model of Penetrating Ballistic-Like Brain Injury. <i>Journal of Neurotrauma</i> , 2020, 37, 656-664.	3.4	3
64	Choice of Whole Blood versus Lactated Ringer's Resuscitation Modifies the Relationship between Blood Pressure Target and Functional Outcome after Traumatic Brain Injury plus Hemorrhagic Shock in Mice. <i>Journal of Neurotrauma</i> , 2021, 38, 2907-2917.	3.4	3