

Diane M Beck

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

5,702
citations

136950

32
h-index

118850

62
g-index

83
all docs

83
docs citations

83
times ranked

4967
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Dynamics of alpha suppression and enhancement may be related to resource competition in cross-modal cortical regions. <i>NeuroImage</i> , 2022, 252, 119048. | 4.2 | 4 |
| 2 | Separation of item and context in item-method directed forgetting. <i>NeuroImage</i> , 2021, 235, 117983. | 4.2 | 6 |
| 3 | Does familiarity influence discrimination? Famous and Inverted Faces and Logos. <i>Journal of Vision</i> , 2021, 21, 2001. | 0.3 | 0 |
| 4 | The N300: An Index for Predictive Coding of Complex Visual Objects and Scenes. <i>Cerebral Cortex Communications</i> , 2021, 2, tgab030. | 1.6 | 18 |
| 5 | Probing the mechanisms of probe-mediated binocular rivalry. <i>Vision Research</i> , 2020, 173, 21-28. | 1.4 | 0 |
| 6 | Does statistical regularity influence detection? Famous vs novel logos and canonical vs noncanonical viewpoints. <i>Journal of Vision</i> , 2020, 20, 146. | 0.3 | 0 |
| 7 | Examining the role of feedback in TMS-induced visual suppression: A cautionary tale. <i>Consciousness and Cognition</i> , 2019, 75, 102805. | 1.5 | 5 |
| 8 | Opportunities and challenges for a maturing science of consciousness. <i>Nature Human Behaviour</i> , 2019, 3, 104-107. | 12.0 | 58 |
| 9 | A TMS-EROS investigation of the role of feedback to early visual cortex in visual awareness.. <i>Journal of Vision</i> , 2019, 19, 169a. | 0.3 | 0 |
| 10 | Does the Brain's Sensitivity to Statistical Regularity Require Attention?. <i>Journal of Vision</i> , 2019, 19, 226. | 0.3 | 0 |
| 11 | Distinct contributions of functional and deep neural network features to representational similarity of scenes in human brain and behavior. <i>ELife</i> , 2018, 7, . | 6.0 | 132 |
| 12 | Human's Object Interactions Are More than the Sum of Their Parts. <i>Cerebral Cortex</i> , 2017, 27, bhw077. | 2.9 | 41 |
| 13 | Regulating the Access to Awareness: Brain Activity Related to Probe-related and Spontaneous Reversals in Binocular Rivalry. <i>Journal of Cognitive Neuroscience</i> , 2017, 29, 1089-1102. | 2.3 | 5 |
| 14 | Evidence for similar patterns of neural activity elicited by picture- and word-based representations of natural scenes. <i>NeuroImage</i> , 2017, 155, 422-436. | 4.2 | 21 |
| 15 | Image aesthetics assessment using Deep Chatterjee's machine. , 2017, , . | | 41 |
| 16 | Categorization influences detection: A perceptual advantage for representative exemplars of natural scene categories. <i>Journal of Vision</i> , 2017, 17, 21. | 0.3 | 12 |
| 17 | Convolutional neural networks best predict representational dissimilarity in scene-selective cortex: comparing computational, object and functional models. <i>Journal of Vision</i> , 2017, 17, 1088. | 0.3 | 0 |
| 18 | Similarities Between Deep Neural Networks and Brain Regions In Processing Good and Bad Exemplars of Natural Scenes. <i>Journal of Vision</i> , 2017, 17, 297. | 0.3 | 0 |

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|----|---|-----|-----------|
| 19 | Pinpointing the peripheral bias in neural scene-processing networks during natural viewing. <i>Journal of Vision</i> , 2016, 16, 9. | 0.3 | 22 |
| 20 | Two Distinct Scene-Processing Networks Connecting Vision and Memory. <i>ENeuro</i> , 2016, 3, ENEURO.0178-16.2016. | 1.9 | 111 |
| 21 | The folly of boxology. <i>Behavioral and Brain Sciences</i> , 2016, 39, e231. | 0.7 | 1 |
| 22 | Typicality sharpens category representations in object-selective cortex. <i>NeuroImage</i> , 2016, 134, 170-179. | 4.2 | 32 |
| 23 | Visual scenes are categorized by function.. <i>Journal of Experimental Psychology: General</i> , 2016, 145, 82-94. | 2.1 | 60 |
| 24 | Basic Level Category Structure Emerges Gradually across Human Ventral Visual Cortex. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 1427-1446. | 2.3 | 42 |
| 25 | What you see is what you expect: rapid scene understanding benefits from prior experience. <i>Attention, Perception, and Psychophysics</i> , 2015, 77, 1239-1251. | 1.3 | 56 |
| 26 | The influence of posterior parietal cortex on extrastriate visual activity: A concurrent TMS and fast optical imaging study. <i>Neuropsychologia</i> , 2015, 78, 153-158. | 1.6 | 16 |
| 27 | Parcellating connectivity in spatial maps. <i>PeerJ</i> , 2015, 3, e784. | 2.0 | 66 |
| 28 | Scene Categorization: The Good, The Bad and The Early. <i>Journal of Vision</i> , 2015, 15, 582. | 0.3 | 0 |
| 29 | Relative contributions of task-relevant and task-irrelevant dimensions in priming of pop-out. <i>Journal of Vision</i> , 2014, 14, 14-14. | 0.3 | 5 |
| 30 | Refining the resource model: Cortical competition could explain hemifield independence. <i>Visual Cognition</i> , 2014, 22, 1022-1026. | 1.6 | 5 |
| 31 | Blinded by the load: attention, awareness and the role of perceptual load. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130205. | 4.0 | 201 |
| 32 | Trial History Effects in the Ventral Attentional Network. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 2789-2797. | 2.3 | 16 |
| 33 | Phosphene-guided transcranial magnetic stimulation of occipital but not parietal cortex suppresses stimulus visibility. <i>Experimental Brain Research</i> , 2014, 232, 1989-1997. | 1.5 | 13 |
| 34 | Dynamics of Alpha Control: Preparatory Suppression of Posterior Alpha Oscillations by Frontal Modulators Revealed with Combined EEG and Event-related Optical Signal. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 2400-2415. | 2.3 | 65 |
| 35 | Probing feedforward and feedback contributions to awareness with visual masking and transcranial magnetic stimulation. <i>Frontiers in Psychology</i> , 2014, 5, 1173. | 2.1 | 21 |
| 36 | Locally-Optimized Inter-Subject Alignment of Functional Cortical Regions. <i>Journal of Vision</i> , 2014, 14, 714-714. | 0.3 | 0 |

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|----|--|-----|-----------|
| 37 | Not all probes are created equal: Suppressed probes presented during binocular rivalry draw attention to the suppressed image. <i>Journal of Vision</i> , 2014, 14, 380-380. | 0.3 | 0 |
| 38 | No masked priming of shape in metacontrast and object substitution masking paradigms without attention. <i>Journal of Vision</i> , 2014, 14, 1058-1058. | 0.3 | 1 |
| 39 | Visual And Semantic Representations Of Scenes. <i>Journal of Vision</i> , 2014, 14, 1126-1126. | 0.3 | 0 |
| 40 | A new illusion of height and width: taller people are perceived as thinner. <i>Psychonomic Bulletin and Review</i> , 2013, 20, 1154-1160. | 2.8 | 6 |
| 41 | Differential connectivity within the Parahippocampal Place Area. <i>NeuroImage</i> , 2013, 75, 228-237. | 4.2 | 137 |
| 42 | Competition explains limited attention and perceptual resources: implications for perceptual load and dilution theories. <i>Frontiers in Psychology</i> , 2013, 4, 243. | 2.1 | 61 |
| 43 | Enhancement and suppression in the visual field under perceptual load. <i>Frontiers in Psychology</i> , 2013, 4, 275. | 2.1 | 18 |
| 44 | Good Exemplars of Natural Scene Categories Elicit Clearer Patterns than Bad Exemplars but Not Greater BOLD Activity. <i>PLoS ONE</i> , 2013, 8, e58594. | 2.5 | 29 |
| 45 | Task-relevant and Task-irrelevant Dimensions Are Modulated Independently at a Task-irrelevant Location. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 1884-1895. | 2.3 | 14 |
| 46 | Making Waves in the Stream of Consciousness: Entraining Oscillations in EEG Alpha and Fluctuations in Visual Awareness with Rhythmic Visual Stimulation. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 2321-2333. | 2.3 | 203 |
| 47 | Examining cortical dynamics and connectivity with simultaneous single-pulse transcranial magnetic stimulation and fast optical imaging. <i>NeuroImage</i> , 2012, 59, 2504-2510. | 4.2 | 30 |
| 48 | Voxel-level functional connectivity using spatial regularization. <i>NeuroImage</i> , 2012, 63, 1099-1106. | 4.2 | 30 |
| 49 | Reaction times and perceptual adjustments are sensitive to the illusory distortion of space. <i>Experimental Brain Research</i> , 2012, 218, 119-128. | 1.5 | 8 |
| 50 | Pulsed Out of Awareness: EEG Alpha Oscillations Represent a Pulsed-Inhibition of Ongoing Cortical Processing. <i>Frontiers in Psychology</i> , 2011, 2, 99. | 2.1 | 376 |
| 51 | Attention does more than modulate suppressive interactions: attending to multiple items. <i>Experimental Brain Research</i> , 2011, 212, 293-304. | 1.5 | 12 |
| 52 | Simple line drawings suffice for functional MRI decoding of natural scene categories. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9661-9666. | 7.1 | 189 |
| 53 | Rescuing stimuli from invisibility: Inducing a momentary release from visual masking with pre-target entrainment. <i>Cognition</i> , 2010, 115, 186-191. | 2.2 | 150 |
| 54 | Competition in Visual Cortex Impedes Attention to Multiple Items. <i>Journal of Neuroscience</i> , 2010, 30, 161-169. | 3.6 | 50 |

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|----|--|------|-----------|
| 55 | The Appeal of the Brain in the Popular Press. <i>Perspectives on Psychological Science</i> , 2010, 5, 762-766. | 9.0 | 96 |
| 56 | Natural Scene Categories Revealed in Distributed Patterns of Activity in the Human Brain. <i>Journal of Neuroscience</i> , 2009, 29, 10573-10581. | 3.6 | 314 |
| 57 | Top-down and bottom-up mechanisms in biasing competition in the human brain. <i>Vision Research</i> , 2009, 49, 1154-1165. | 1.4 | 398 |
| 58 | To See or Not to See: Prestimulus $\hat{\pm}$ Phase Predicts Visual Awareness. <i>Journal of Neuroscience</i> , 2009, 29, 2725-2732. | 3.6 | 886 |
| 59 | Perceptual-Load-Induced Selection as a Result of Local Competitive Interactions in Visual Cortex. <i>Psychological Science</i> , 2008, 19, 1045-1050. | 3.3 | 73 |
| 60 | Stimulus similarity modulates competitive interactions in human visual cortex. <i>Journal of Vision</i> , 2007, 7, 19. | 0.3 | 46 |
| 61 | The repetition discrimination task: An objective method for studying perceptual grouping. <i>Perception & Psychophysics</i> , 2007, 69, 68-78. | 2.3 | 52 |
| 62 | Right Parietal Cortex Plays a Critical Role in Change Blindness. <i>Cerebral Cortex</i> , 2006, 16, 712-717. | 2.9 | 122 |
| 63 | Stimulus context modulates competition in human extrastriate cortex. <i>Nature Neuroscience</i> , 2005, 8, 1110-1116. | 14.8 | 173 |
| 64 | Symmetry perception in humans and macaques. <i>Trends in Cognitive Sciences</i> , 2005, 9, 405-406. | 7.8 | 34 |
| 65 | Look Here but Ignore What You See: Effects of Distractors at Fixation.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2005, 31, 592-607. | 0.9 | 125 |
| 66 | Biasing Competition in Human Visual Cortex. , 2005, , 305-310. | | 1 |
| 67 | A measurement theory of illusory conjunctions.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2002, 28, 251-269. | 0.9 | 20 |
| 68 | Top-down influences on perceptual grouping.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2002, 28, 1071-1084. | 0.9 | 65 |
| 69 | Top-down influences on perceptual grouping. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2002, 28, 1071-84. | 0.9 | 26 |
| 70 | The tilt-consistency theory of visual illusions.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2001, 27, 206-217. | 0.9 | 33 |
| 71 | Neural correlates of change detection and change blindness. <i>Nature Neuroscience</i> , 2001, 4, 645-650. | 14.8 | 425 |
| 72 | Depth information and perceived self-motion during simulated gaze rotations. <i>Vision Research</i> , 1998, 38, 3129-3145. | 1.4 | 54 |

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|----|--|-----|-----------|
| 73 | Spatial attention deficits in humans: A comparison of superior parietal and temporal-parietal junction lesions.. Neuropsychology, 1998, 12, 193-207. | 1.3 | 299 |
| 74 | Late influences on perceptual grouping: Amodal completion. Psychonomic Bulletin and Review, 1996, 3, 75-80. | 2.8 | 44 |