

Asif A Ghazanfar

List of Publications by Year in descending order

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Version: 2024-02-01

104
papers

10,384
citations

44042

48
h-index

43868

91
g-index

117
all docs

117
docs citations

117
times ranked

7859
citing authors

#	ARTICLE	IF	CITATIONS
1	Is neocortex essentially multisensory?. Trends in Cognitive Sciences, 2006, 10, 278-285.	4.0	1,236
2	Neuroscience Needs Behavior: Correcting a Reductionist Bias. Neuron, 2017, 93, 480-490.	3.8	953
3	Brain-to-brain coupling: a mechanism for creating and sharing a social world. Trends in Cognitive Sciences, 2012, 16, 114-121.	4.0	841
4	The Natural Statistics of Audiovisual Speech. PLoS Computational Biology, 2009, 5, e1000436.	1.5	512
5	Multisensory Integration of Dynamic Faces and Voices in Rhesus Monkey Auditory Cortex. Journal of Neuroscience, 2005, 25, 5004-5012.	1.7	497
6	Reconstructing the Engram: Simultaneous, Multisite, Many Single Neuron Recordings. Neuron, 1997, 18, 529-537.	3.8	372
7	Vocal-Tract Resonances as Indexical Cues in Rhesus Monkeys. Current Biology, 2007, 17, 425-430.	1.8	289
8	Coupled Oscillator Dynamics of Vocal Turn-Taking in Monkeys. Current Biology, 2013, 23, 2162-2168.	1.8	262
9	The emergence of multisensory systems through perceptual narrowing. Trends in Cognitive Sciences, 2009, 13, 470-478.	4.0	238
10	Facial expressions linked to monkey calls. Nature, 2003, 423, 937-938.	13.7	236
11	Interactions between the Superior Temporal Sulcus and Auditory Cortex Mediate Dynamic Face/Voice Integration in Rhesus Monkeys. Journal of Neuroscience, 2008, 28, 4457-4469.	1.7	210
12	Simultaneous encoding of tactile information by three primate cortical areas. Nature Neuroscience, 1998, 1, 621-630.	7.1	187
13	Cineradiography of Monkey Lip-Smacking Reveals Putative Precursors of Speech Dynamics. Current Biology, 2012, 22, 1176-1182.	1.8	179
14	Monkey vocal tracts are speech-ready. Science Advances, 2016, 2, e1600723.	4.7	172
15	Primate brains in the wild: the sensory bases for social interactions. Nature Reviews Neuroscience, 2004, 5, 603-616.	4.9	162
16	Monkeys Match the Number of Voices They Hear to the Number of Faces They See. Current Biology, 2005, 15, 1034-1038.	1.8	159
17	Multisensory Integration of Looming Signals by Rhesus Monkeys. Neuron, 2004, 43, 177-181.	3.8	143
18	The decline of cross-species intersensory perception in human infants. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6771-6774.	3.3	138

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19	The Life of Behavior. <i>Neuron</i> , 2019, 104, 25-36.	3.8	129
20	Monkey visual behavior falls into the uncanny valley. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 18362-18366.	3.3	123
21	Nonlinear partial differential equations and applications: Auditory looming perception in rhesus monkeys. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 15755-15757.	3.3	118
22	Human-Monkey Gaze Correlations Reveal Convergent and Divergent Patterns of Movie Viewing. <i>Current Biology</i> , 2010, 20, 649-656.	1.8	116
23	Encoding of Tactile Stimulus Location by Somatosensory Thalamocortical Ensembles. <i>Journal of Neuroscience</i> , 2000, 20, 3761-3775.	1.7	115
24	Vocal Learning via Social Reinforcement by Infant Marmoset Monkeys. <i>Current Biology</i> , 2017, 27, 1844-1852.e6.	1.8	114
25	Evolution of human vocal production. <i>Current Biology</i> , 2008, 18, R457-R460.	1.8	112
26	Integration of Bimodal Looming Signals through Neuronal Coherence in the Temporal Lobe. <i>Current Biology</i> , 2008, 18, 963-968.	1.8	112
27	Early development of turn-taking with parents shapes vocal acoustics in infant marmoset monkeys. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150370.	1.8	100
28	The evolution of speech: vision, rhythm, cooperation. <i>Trends in Cognitive Sciences</i> , 2014, 18, 543-553.	4.0	90
29	Nonlinear Processing of Tactile Information in the Thalamocortical Loop. <i>Journal of Neurophysiology</i> , 1997, 78, 506-510.	0.9	88
30	Looming Biases in Monkey Auditory Cortex. <i>Journal of Neuroscience</i> , 2007, 27, 4093-4100.	1.7	84
31	Different Neural Frequency Bands Integrate Faces and Voices Differently in the Superior Temporal Sulcus. <i>Journal of Neurophysiology</i> , 2009, 101, 773-788.	0.9	83
32	Multisensory vocal communication in primates and the evolution of rhythmic speech. <i>Behavioral Ecology and Sociobiology</i> , 2013, 67, 1441-1448.	0.6	82
33	Hebb's Dream: The Resurgence of Cell Assemblies. <i>Neuron</i> , 1997, 19, 219-221.	3.8	80
34	Monkey lipsmacking develops like the human speech rhythm. <i>Developmental Science</i> , 2012, 15, 557-568.	1.3	79
35	Monkeys are perceptually tuned to facial expressions that exhibit a theta-like speech rhythm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 1959-1963.	3.3	78
36	Cooperative vocal control in marmoset monkeys via vocal feedback. <i>Journal of Neurophysiology</i> , 2015, 114, 274-283.	0.9	78

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37	Facilitation of multisensory integration by the "unity effect" reveals that speech is special. <i>Journal of Vision</i> , 2008, 8, 14-14.	0.1	67
38	Dynamic, rhythmic facial expressions and the superior temporal sulcus of macaque monkeys: implications for the evolution of audiovisual speech. <i>European Journal of Neuroscience</i> , 2010, 31, 1807-1817.	1.2	66
39	The auditory behaviour of primates: a neuroethological perspective. <i>Current Opinion in Neurobiology</i> , 2001, 11, 712-720.	2.0	65
40	The Role of Temporal Cues in Rhesus Monkey Vocal Recognition: Orienting Asymmetries to Reversed Calls. <i>Brain, Behavior and Evolution</i> , 2001, 58, 163-172.	0.9	65
41	The autonomic nervous system is the engine for vocal development through social feedback. <i>Current Opinion in Neurobiology</i> , 2016, 40, 155-160.	2.0	64
42	Internal states and extrinsic factors both determine monkey vocal production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3978-3983.	3.3	64
43	Knowledgeable Lemurs Become More Central in Social Networks. <i>Current Biology</i> , 2018, 28, 1306-1310.e2.	1.8	63
44	Role of cortical feedback in the receptive field structure and nonlinear response properties of somatosensory thalamic neurons. <i>Experimental Brain Research</i> , 2001, 141, 88-100.	0.7	62
45	The units of perception in the antiphonal calling behavior of cotton-top tamarins (<i>Saguinus oedipus</i>) Tj ETQq1 1 0.784314 rgBT /Over Neural, and Behavioral Physiology, 2001, 187, 27-35.	0.7	61
46	Eye movements of monkey observers viewing vocalizing conspecifics. <i>Cognition</i> , 2006, 101, 515-529.	1.1	60
47	Arousal dynamics drive vocal production in marmoset monkeys. <i>Journal of Neurophysiology</i> , 2016, 116, 753-764.	0.9	58
48	The development of the uncanny valley in infants. <i>Developmental Psychobiology</i> , 2012, 54, 124-132.	0.9	57
49	Facial Expressions and the Evolution of the Speech Rhythm. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 1196-1207.	1.1	56
50	Temporal cues in the antiphonal long-calling behaviour of cottontop tamarins. <i>Animal Behaviour</i> , 2002, 64, 427-438.	0.8	53
51	Lemurs groom-at-a-distance through vocal networks. <i>Animal Behaviour</i> , 2015, 110, 179-186.	0.8	51
52	Dynamic faces speed up the onset of auditory cortical spiking responses during vocal detection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E4668-77.	3.3	49
53	Monkeys and Humans Share a Common Computation for Face/Voice Integration. <i>PLoS Computational Biology</i> , 2011, 7, e1002165.	1.5	46
54	Facial Muscle Coordination in Monkeys during Rhythmic Facial Expressions and Ingestive Movements. <i>Journal of Neuroscience</i> , 2012, 32, 6105-6116.	1.7	46

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55	Perinately Influenced Autonomic System Fluctuations Drive Infant Vocal Sequences. <i>Current Biology</i> , 2016, 26, 1249-1260.	1.8	43
56	A Hierarchy of Autonomous Systems for Vocal Production. <i>Trends in Neurosciences</i> , 2020, 43, 115-126.	4.2	43
57	Individual recognition through olfactory-auditory matching in lemurs. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140071.	1.2	39
58	Vocal state change through laryngeal development. <i>Nature Communications</i> , 2019, 10, 4592.	5.8	36
59	The Influence of Natural Scene Dynamics on Auditory Cortical Activity. <i>Journal of Neuroscience</i> , 2010, 30, 13919-13931.	1.7	35
60	Developmental Neuroscience: How Twitches Make Sense. <i>Current Biology</i> , 2014, 24, R971-R972.	1.8	35
61	Heterochrony and Cross-Species Intersensory Matching by Infant Vervet Monkeys. <i>PLoS ONE</i> , 2009, 4, e4302.	1.1	33
62	Convergent Evolution of Vocal Cooperation without Convergent Evolution of Brain Size. <i>Brain, Behavior and Evolution</i> , 2014, 84, 93-102.	0.9	33
63	Volition and learning in primate vocal behaviour. <i>Animal Behaviour</i> , 2019, 151, 239-247.	0.8	31
64	Language evolution: neural differences that make a difference. <i>Nature Neuroscience</i> , 2008, 11, 382-384.	7.1	29
65	The multisensory roles for auditory cortex in primate vocal communication. <i>Hearing Research</i> , 2009, 258, 113-120.	0.9	29
66	Vocal development through morphological computation. <i>PLoS Biology</i> , 2018, 16, e2003933.	2.6	29
67	Consistent individual variation across interaction networks indicates social personalities in lemurs. <i>Animal Behaviour</i> , 2018, 136, 217-226.	0.8	26
68	On the relationship between lateralized brain function and orienting asymmetries.. <i>Behavioral Neuroscience</i> , 2010, 124, 437-445.	0.6	25
69	The neurobiology of primate vocal communication. <i>Current Opinion in Neurobiology</i> , 2014, 28, 128-135.	2.0	25
70	Domestication Phenotype Linked to Vocal Behavior in Marmoset Monkeys. <i>Current Biology</i> , 2020, 30, 5026-5032.e3.	1.8	24
71	Vocal development in a Waddington landscape. <i>ELife</i> , 2017, 6, .	2.8	23
72	Paving the Way Forward: Integrating the Senses through Phase-Resetting of Cortical Oscillations. <i>Neuron</i> , 2007, 53, 162-164.	3.8	21

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73	Rhesus monkeys (<i>Macaca mulatta</i>) hear rising frequency sounds as looming. <i>Behavioral Neuroscience</i> , 2009, 123, 822-827.	0.6	20
74	Neural correlates of perceptual narrowing in cross-species face-voice matching. <i>Developmental Science</i> , 2012, 15, 830-839.	1.3	15
75	Vocal and locomotor coordination develops in association with the autonomic nervous system. <i>ELife</i> , 2019, 8, .	2.8	15
76	-specific responses to faces and objects in primate auditory cortex. <i>Frontiers in Systems Neuroscience</i> , 2008, 1, 2.	1.2	14
77	Language Evolution: Loquacious Monkey Brains?. <i>Current Biology</i> , 2006, 16, R879-R881.	1.8	12
78	Constraints and flexibility during vocal development: insights from marmoset monkeys. <i>Current Opinion in Behavioral Sciences</i> , 2018, 21, 27-32.	2.0	12
79	The Effects of Estradiol on Gonadotropin-Releasing Hormone Neurons in the Developing Mouse Brain. <i>General and Comparative Endocrinology</i> , 1998, 112, 356-363.	0.8	11
80	Multisensory Integration: Vision Boosts Information through Suppression in Auditory Cortex. <i>Current Biology</i> , 2010, 20, R22-R23.	1.8	11
81	Eye-gaze and arrow cues influence elementary sound perception. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 1997-2004.	1.2	8
82	Response to Lieberman on "Monkey vocal tracts are speech-ready". <i>Science Advances</i> , 2017, 3, e1701859.	4.7	8
83	Cooperative care and the evolution of the prelinguistic vocal learning. <i>Developmental Psychobiology</i> , 2021, 63, 1583-1588.	0.9	8
84	A computational model for vocal exchange dynamics and their development in marmoset monkeys. , 2012, , .		6
85	Development of self-monitoring essential for vocal interactions in marmoset monkeys. , 2013, , .		6
86	Speech Production: How Does a Word Feel?. <i>Current Biology</i> , 2008, 18, R1142-R1144.	1.8	5
87	Statistical learning of social signals and its implications for the social brain hypothesis. <i>Interaction Studies</i> , 2011, 12, 397-417.	0.4	5
88	When what you see is not what you hear. <i>Nature Neuroscience</i> , 2011, 14, 675-676.	7.1	5
89	Paradoxical psychological functioning in early child development. , 2011, , 110-129.		4
90	The Default Mode of Primate Vocal Communication and Its Neural Correlates. , 2010, , 139-153.		4

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91	Multisensory Recognition in Vertebrates (Especially Primates). , 2013, , 3-27.		4
92	A mechanism for punctuating equilibria during mammalian vocal development. PLoS Computational Biology, 2022, 18, e1010173.	1.5	3
93	The Primate Frontal and Temporal Lobes and Their Role in Multisensory Vocal Communication. , 2010, , 500-524.		2
94	Evolving alternative neural pathways for vocal dexterity. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	2
95	The Ontogeny and Phylogeny of Bimodal Primate Vocal Communication. , 2008, , 85-110.		1
96	Speech Perception: Linking Comprehension across a Cortical Network. Current Biology, 2007, 17, R420-R422.	1.8	0
97	Auditory Neuroscience: Recalibration of Space Perception Requires Cortical Feedback. Current Biology, 2010, 20, R282-R284.	1.8	0
98	Vocal communication is multi-sensorimotor coordination within and between individuals. Behavioral and Brain Sciences, 2014, 37, 572-573.	0.4	0
99	Ephemeral connections for reaching and grasping. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1143-1144.	3.3	0
100	The embodied nature of primate communication: some phylogenetic, ontogenetic & neurobiological evidence. FASEB Journal, 2009, 23, 185.4.	0.2	0
101	Unity of the Senses for Primate Vocal Communication. Frontiers in Neuroscience, 2011, , 653-666.	0.0	0
102	Unity of the Senses for Primate Vocal Communication. Frontiers in Neuroscience, 2011, , 653-666.	0.0	0
103	The Influence of Vision on Auditory Communication in Primates. Springer Handbook of Auditory Research, 2013, , 193-213.	0.3	0
104	Arousal elevation drives the development of oscillatory vocal output. Journal of Neurophysiology, 2022, 127, 1519-1531.	0.9	0