

Proc Natl Acad Sci U S A

Introduction: Class III Cozzarelli Prize Winner d62f6bb4ab Assessing Centrality in Networks d62f6bb4ab Oumeng Zhang explains a microscopy technique for imaging 3D microbial interactions with improved speed and reduced phototoxicity compared to traditional methods. d62f6bb4ab Proceedings of the National Academy of Sciences USA | Wikipedia audio article - Proceedings of the National Academy of Sciences USA | Wikipedia audio article 5 minutes, 1 second - This is an audio version of the Wikipedia Article: ... d62f6bb4ab New Algorithm Reveals Key Nodes in Complex Networks | Cozzarelli Prize-Winning Research - New Algorithm Reveals Key Nodes in Complex Networks | Cozzarelli Prize-Winning Research 3 minutes, 40 seconds - Distribution of centrality measures on undirected random networks via the cavity method Meet the authors: Silvia Bartolucci, Fabio ... d62f6bb4ab PNAS Science Sessions - Getting to the root of the rhizosphere - PNAS Science Sessions - Getting to the root of the rhizosphere 6 minutes, 10 seconds - Getting to the root of the rhizosphere The rhizosphere is the narrow region of soil around the roots of plants. Interactions between ... d62f6bb4ab Introduction: Class I Cozzarelli Prize Winner d62f6bb4ab The Origin of Complex Life: A Surprising Shift in Gene and Protein Evolution - The Origin of Complex Life: A Surprising Shift in Gene and Protein Evolution 3 minutes, 54 seconds - The emergence of eukaryotes as an evolutionary algorithmic phase transition Meet the authors: Enrique M. Muro, Fernando J. d62f6bb4ab Caterpillars Detect Predators Using Electrostatic Charge | Cozzarelli Prize-Winning Research - Caterpillars Detect Predators Using Electrostatic Charge | Cozzarelli Prize-Winning Research 3 minutes, 44 seconds - Prey can detect predators via electroreception in air Meet the authors: Sam J. England and Daniel Robert Can prey detect ... d62f6bb4ab Alaska's Arctic Coastal Plain d62f6bb4ab Introduction d62f6bb4ab The Potential Threat of AI to Online Survey Research - The Potential Threat of AI to Online Survey Research 4 minutes, 8 seconds - The potential existential threat of large language models to online survey research Meet the author: Sean J. Westwood How might ... d62f6bb4ab Proceedings of the National Academy of Sciences of the United States of America - Proceedings of the National Academy of Sciences of the United States of America 8 minutes, 43 seconds - If you find our videos helpful you can support **us**, by buying something from amazon. <https://www.amazon.com/?tag=wiki-audio-20> ... d62f6bb4ab Compounding Climate Impacts in Alaska d62f6bb4ab History d62f6bb4ab Foreign Associate of the National Academy of Sciences | Wikipedia audio article - Foreign Associate of the National Academy of Sciences | Wikipedia audio article 7 minutes, 47 seconds - This is an audio version of the

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 00:01:11 1 ... d62f6bb4ab Defining Centrality in Networks d62f6bb4ab Peer
 Review d62f6bb4ab Keyboard shortcuts d62f6bb4ab How Soft Materials Enable
 Better Low-Frequency Sound Absorption - How Soft Materials Enable Better
 Low-Frequency Sound Absorption 4 minutes, 22 seconds - Viscoelastic
 structural damping enables broadband low-frequency sound absorption Meet
 the authors: Yanlin Zhang, Junyin Li, ... d62f6bb4ab Investigating How
 Caterpillars Sense Electric Fields d62f6bb4ab Molly Hanlon describes a
 relatively inexpensive technique for rapidly imaging plant anatomy along the
 root axis. d62f6bb4ab When Plastic Becomes Lethal: Risks to Marine Wildlife -
 When Plastic Becomes Lethal: Risks to Marine Wildlife 3 minutes, 38 seconds -
 A quantitative risk assessment framework for mortality due to macroplastic
 ingestion in seabirds, marine mammals, and sea turtles ... d62f6bb4ab Victoria
 Orphan used synthetic cryolite to create a transparent, soil-like scaffold,
 allowing belowground microbial processes to be visualized. d62f6bb4ab Land
 Loss Estimates d62f6bb4ab The new scientific landscape - The new scientific
 landscape 26 minutes - A new article in The Proceedings of the **National**
Academy, of **Sciences**, presents compelling evidence that Chinese
 researchers ... d62f6bb4ab Cozzarelli Prize Winner Class 3 - Cozzarelli Prize
 Winner Class 3 1 minute - The Cozzarelli Prize is awarded annually to six
 research teams whose PNAS articles have made outstanding contributions to

their ... d62f6bb4ab US National Academy of Sciences | Wikipedia audio article - US National Academy of Sciences | Wikipedia audio article 18 minutes - This is an audio version of the Wikipedia Article: https://en.wikipedia.org/wiki/National_Academy_of_Sciences 00:01:23 1 ... d62f6bb4ab History of American Science, AAAS and the NAS - History of American Science, AAAS and the NAS 7 minutes, 55 seconds - History of the American Scientific Establishment, particularly the oldest still running American civilian scientific organization the ... d62f6bb4ab National Academy of Sciences - National Academy of Sciences 13 seconds - Proceedings of the **National Academy**, of **Sciences**, (PNAS) PNAS is one of the world's most-cited and comprehensive ... d62f6bb4ab Beyond Simple Connections d62f6bb4ab General d62f6bb4ab National Academy of Sciences, USA | Wikipedia audio article - National Academy of Sciences, USA | Wikipedia audio article 18 minutes - This is an audio version of the Wikipedia Article: https://en.wikipedia.org/wiki/National_Academy_of_Sciences 00:01:22 1 ... d62f6bb4ab Permafrost Subsidence as a Coastal Hazard d62f6bb4ab Caterpillars' Defensive Response to Electric Fields d62f6bb4ab Behavioral Experiments Across Three Caterpillar Species d62f6bb4ab Community Voices in the Arctic d62f6bb4ab Applying the Cavity Method d62f6bb4ab Proceedings of the National Academy of Sciences | Wikipedia audio article - Proceedings of the National Academy of Sciences | Wikipedia audio article 7 minutes, 44 seconds - This is an audio version of the Wikipedia Article: ... d62f6bb4ab Blood-Brain Barrier Dysfunction in Alzheimer's Disease and Traumatic Brain Injury - Blood-Brain Barrier Dysfunction in Alzheimer's Disease and Traumatic Brain Injury 4 minutes, 24 seconds - Inhibiting 15-PGDH blocks blood-brain barrier deterioration and protects mice from Alzheimer's disease and traumatic brain injury ... d62f6bb4ab Measurable Changes in Defensive Behavior d62f6bb4ab How Wasp Wingbeats Move Caterpillar Hairs d62f6bb4ab How Climate Change Could Accelerate Coastal Erosion in Alaska | Cozzarelli Prize-Winning Research - How Climate Change Could Accelerate Coastal Erosion in Alaska | Cozzarelli Prize-Winning Research 3 minutes, 10 seconds - Permafrost thaw subsidence, sea-level rise, and erosion are transforming Alaska's Arctic coastal zone Meet the authors: Roger ... d62f6bb4ab Predator-Prey Interactions and Sensory Cues d62f6bb4ab Proceedings of the National Academy of Sciences (2015) - doi: 10.1073/pnas.1520032112 - Proceedings of the National Academy of Sciences (2015) - doi: 10.1073/pnas.1520032112 25 seconds - HIF-1 regulates CD47 expression in breast cancer cells to promote evasion of phagocytosis and maintenance of cancer stem cells ... d62f6bb4ab Final thoughts and conclusion. d62f6bb4ab Playback d62f6bb4ab Introduction: Class VI Cozzarelli Prize Winner d62f6bb4ab Spherical Videos d62f6bb4ab How AI Is Revealing Hidden Physics in Dusty Plasmas - How AI Is Revealing Hidden Physics in Dusty Plasmas 4 minutes, 27 seconds - Physics-tailored machine learning reveals unexpected physics in dusty plasmas Meet the authors:

Wentao Yu, Eslam Abdelaleem ... d62f6bb4ab Introducing Katz Centrality
d62f6bb4ab Reinaldo Alcalde describes the results of his and Oumeng's
approach. d62f6bb4ab National Academy of Sciences - National Academy of
Sciences 13 seconds - Proceedings of the **National Academy**, of **Sciences**,
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