

Vrijeme izvoza: 19.04.2024. 21:48:11

Repozitorij: repozitorij.pmf.unizg.hr

Ukupan broj zapisa na URL-u: 38

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Position of chromosomes 1 and 9, labeled using CRISPR/Cas9 technology, with respect to the nuclear envelope and centrosomes		Mikec, Petra	
THE ROLE OF MITOTIC KINESINS AND CROSSLINKERS NUMA AND PRC1 IN THE MICROTUBULE POLEWARD FLUX REGULATION DURING PROMETAPHASE		Martinčić, Jelena	
Investigating chromosome segregation errors in a set of human cancer cell lines by lattice light-sheet microscopy		Đura, Mario	
Regulation of microtubule sliding and its effect on mitotic spindle length in human retinal cells RPE-1		Ponjavić, Ivana	
The role of microtubule-associated proteins in the generation and regulation of spindle shape		Trupinić, Monika	
Samoorganizacija mikrotubula i motornih proteina u formiranju antiparalelnih svežnjeva diobenog vretena		Ban, Ivana	
Uspostava ljudskih staničnih linija s endogeno eksprimiranim proteinom tubulinom fluorescentno obilježenim metodom CRISPaint		Tintor, Erna	
Proliferative advantage of specific aneuploid cells drives evolution of tumor karyotypes		Ban, Ivana; Tomašić, Lucija; Trakala, Marianna; Tolić, Iva M.; Pavin, Nenad	
Analiza dinamike proteina Rac1 tijekom staničnog kretanja		Šoštar, Marko	

MECHANISM OF CHROMOSOME ALIGNMENT BY MICROTUBULE OVERLAPDEPENDENT FORCES AND ITS RELEVANCE FOR CHROMOSOME SEGREGATION ERRORS		Risteski, Patrik	
Oblique circle method for measuring the curvature and twist of mitotic spindle microtubule bundles		Ivec, Arian; Trupinić, Monika; Tolić, Iva M.; Pavin, Nenad	
The role of kinesin-8 and PRC1 proteins in kinetochorepositioning in the metaphase plate		Jagrić, Mihaela	
Sastavljanje i dinamika antiparalelnih snopova mikrotubula u prometafazi mitoze		Matković, Jurica	
Uspostava kulture i biološko oslikavanje organoida mišjeg tankog crijeva		Kodba, Snježana	
Biofizička svojstva proteina regulatora citokineze 1, PRC1, u fazama mitoze ljudskih stanica		Manenica, Martina	
The mechanisms of microtubule associated proteins in chromosome segregation		Vukušić, Kruno	
The role of bridging microtubules in anaphase of cell division		Buđa, Renata	
Uloga vezivnih proteina i kutne difuzije u stvaranju svežnjeva mikrotubula		Prelogović, Marcel	
Helical Twist and Rotational Forces in the Mitotic Spindle		Tolić, Iva M.; Novak, Maja; Pavin, Nenad	
Pivot-and-bond model explains microtubule bundle formation		Prelogović, Marcel; Winters, Lora; Milas, Ana; Tolić, Iva; Pavin, Nenad	
Pivoting of microtubules driven by minus-end-directed motors leads to spindle assembly		Winters, Lora; Ban, Ivana; Prelogović, Marcel; Kalinina, Iana; Pavin, Nenad; Tolić, Iva M.	
Ekspanzijska mikroskopija u proučavanju arhitekture diobenog vretena		Ponjavić, Ivana	
Uloga proteina NuMa u sastavljanju i arhitekturi mitotskog diobenog vretena		Jelenić, Stela	
Metaphase kinetochore movements are regulated by kinesin-8 motors and microtubule dynamic instability		Klemm, Anna H.; Bosilj, Agneza; Glunčić, Matko; Pavin, Nenad; Tolić, Iva Marija	

The mitotic spindle is chiral due to torques within microtubule bundles		Novak, Maja; Polak, Bruno; Simunić, Juraj; Boban, Zvonimir; Kuzmić, Barbara; Thomae, Andreas W; Tolić, Iva Marija; Pavin, Nenad	
Identifikacija motornih proteina u premosnom vlaknu mitotskog diobenog vretena		Risteski, Patrik	
Dinamika kinetohora i kinezina-8 (Kif18A) u metafazi mitoze		Bačić, Luka	
Optogenetička metoda za brzo i reverzibilno uklanjanje proteina iz diobenog vretena		Milas, Ana	
Microtubule Sliding within the Bridging Fiber Pushes Kinetochore Fibers Apart to Segregate Chromosomes		Vukušić, Kruno; Buđa, Renata; Bosilj, Agneza; Milas, Ana; Pavin, Nenad; Tolić, Iva Marija	
Dinamika nastanka diobenog vretena		Kuzmić, Barbara	
Bridging the gap between sister kinetochores		Tolić, Iva Marija; Pavin, Nenad	
Laser microsurgery reveals conserved viscoelastic behavior of the kinetochore		Cojoc, Gheorghe; Roscioli, Emanuele; Zhang, Lijuan; García-Ulloa, Alfonso; Shah, Jagesh V.; Berns, Michael W.; Pavin, Nenad; Cimini, Daniela; Tolić, Iva Marija; Gregan, Juraj	
Overlap microtubules link sister k-fibres and balance the forces on bi-oriented kinetochores		Kajtez, Janko; Solomatina, Anastasia; Novak, Maja; Polak, Bruno; Vukušić, Bruno; Rüdiger, Jonas; Cojoc, Gheorghe; Milas, Ana; Šumanovac Šestak, Ivana; Risteski, Patrik; Tavano, Federica; Klemm, Anna H.; Roscioli, Emanuele; Welburn, Julie; Cimini, Daniela; Glunčić, Matko; Pavin, Nenad; Tolić, Iva Marija	
Paired arrangement of kinetochores together with microtubule pivoting and dynamics drive kinetochore capture in meiosis I		Cojoc, Gheorghe; Ana-Maria, Florescu; Krull, Alexander; Anna H., Klemm; Pavin, Nenad; Jülicher, Frank; Tolić, Iva Marija	
Analiza mehanike metafaznog diobenog vretena u stanici HeLa primjenom laserske mikrodisekcije		Polak, Bruno	
Organizacija mikrotubula i ravnoteža sila u metafaznom vretenu HeLa i Ptk1 stanica		Vukušić, Kruno	
Kinesin-8 Motors Improve Nuclear Centering by Promoting Microtubule Catastrophe		Glunčić, Matko; Maghelli, Nicola; Krull, Alexander; Krstić, Vladimir; Ramunno-Johnson, Damien; Pavin, Nenad; Tolić, Iva M.	
Dynein, microtubule and cargo: a ménage à trois		Pavin, Nenad; Tolić-Nørrelykke, Iva M.	