

Chia-Ching Chang

List of Publications by Year in descending order

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93
papers

2,060
citations

361413
20
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44
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95
all docs

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docs citations

95
times ranked

3002
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Tannic acid-induced interfacial ligand-to-metal charge transfer and the phase transformation of Fe ₃ O ₄ nanoparticles for the photothermal bacteria destruction. <i>Chemical Engineering Journal</i> , 2022, 428, 131237. | 12.7 | 30 |
| 2 | Chitosan-Coated-PLGA Nanoparticles Enhance the Antitumor and Antimigration Activity of Stattic \hat{A} STAT3 Dimerization Blocker. <i>International Journal of Nanomedicine</i> , 2022, Volume 17, 137-150. | 6.7 | 18 |
| 3 | Plasma Gelsolin Confers Chemoresistance in Ovarian Cancer by Resetting the Relative Abundance and Function of Macrophage Subtypes. <i>Cancers</i> , 2022, 14, 1039. | 3.7 | 11 |
| 4 | Stability of SARS-CoV-2 Spike G614 Variant Surpasses That of the D614 Variant after Cold Storage. <i>MSphere</i> , 2021, 6, . | 2.9 | 21 |
| 5 | Development of flexible electrochemical impedance spectroscopy-based biosensing platform for rapid screening of SARS-CoV-2 inhibitors. <i>Biosensors and Bioelectronics</i> , 2021, 183, 113213. | 10.1 | 44 |
| 6 | Development of the Sensing Platform for Protein Tyrosine Kinase Activity. <i>Biosensors</i> , 2021, 11, 240. | 4.7 | 0 |
| 7 | Facile synthesis of biocompatible sub-5Ånm alginate-stabilised gold nanoparticles with sonosensitising properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 627, 127141. | 4.7 | 5 |
| 8 | Local ablation of gastric cancer by reconstituted apolipoprotein B lipoparticles carrying epigenetic drugs. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 37, 102450. | 3.3 | 3 |
| 9 | Carboxylated nanodiamond-mediated CRISPR-Cas9 delivery of human retinoschisis mutation into human iPSCs and mouse retina. <i>Acta Biomaterialia</i> , 2020, 101, 484-494. | 8.3 | 42 |
| 10 | BAFF-driven NLRP3 inflammasome activation in B cells. <i>Cell Death and Disease</i> , 2020, 11, 820. | 6.3 | 23 |
| 11 | Using cationic polyurethane-short branch PEI as microRNA-driven nano-delivery system for stem cell differentiation. <i>Journal of the Chinese Medical Association</i> , 2020, 83, 367-370. | 1.4 | 5 |
| 12 | Surface active flexible palladium nano-thin-film electrode development for biosensing. <i>Inorganic Chemistry Communication</i> , 2019, 107, 107461. | 3.9 | 6 |
| 13 | Morphological and Molecular Defects in Human Three-Dimensional Retinal Organoid Model of X-Linked Juvenile Retinoschisis. <i>Stem Cell Reports</i> , 2019, 13, 906-923. | 4.8 | 70 |
| 14 | Self-assembled amphiphilic chitosan: A time-dependent nanostructural evolution and associated drug encapsulation/elution mechanism. <i>Carbohydrate Polymers</i> , 2019, 215, 246-252. | 10.2 | 11 |
| 15 | The fabrication and application of Ni-DNA nanowire-based nanoelectronic devices. <i>Nano Research</i> , 2019, 12, 1293-1300. | 10.4 | 7 |
| 16 | Enhanced bioconjugation on sputtered palladium nano-thin-film electrode. <i>Applied Physics Letters</i> , 2019, 114, 093702. | 3.3 | 5 |
| 17 | Development of a Graphene Oxide-Incorporated Polydimethylsiloxane Membrane with Hexagonal Micropillars. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2517. | 4.1 | 6 |
| 18 | DNA-based nanowires and nanodevices. <i>Advances in Physics: X</i> , 2017, 2, 22-34. | 4.1 | 3 |

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|----|--|------|-----------|
| 19 | Exploration and characterization of the memcapacitor and memristor properties of Ni-DNA nanowire devices. <i>NPG Asia Materials</i> , 2017, 9, e430-e430. | 7.9 | 10 |
| 20 | In vivo amelioration of endogenous antitumor autoantibodies via low-dose P ₄ N through the LTA4H/activin A/BAFF pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E7798-E7807. | 7.1 | 9 |
| 21 | Design and synthesis of pyridine-pyrazole-sulfonate derivatives as potential anti-HBV agents. <i>MedChemComm</i> , 2016, 7, 832-836. | 3.4 | 14 |
| 22 | Surface electromyography analysis of blepharoptosis correction by transconjunctival incisions. <i>Journal of Electromyography and Kinesiology</i> , 2016, 28, 23-30. | 1.7 | 0 |
| 23 | Laminin modification subretinal bio-scaffold remodels retinal pigment epithelium-driven microenvironment <i>in vitro</i> and <i>in vivo</i> . <i>Oncotarget</i> , 2016, 7, 64631-64648. | 1.8 | 29 |
| 24 | What's New in the Treatment of Poor Levator Function with Severe Blepharoptosis. <i>Plastic and Reconstructive Surgery</i> , 2015, 136, 100. | 1.4 | 0 |
| 25 | Development of nordihydroguaiaretic acid derivatives as potential multidrug-resistant selective agents for cancer treatment. <i>RSC Advances</i> , 2015, 5, 107833-107838. | 3.6 | 6 |
| 26 | Self-Monitoring and Self-Delivery of Photosensitizer-Doped Nanoparticles for Highly Effective Combination Cancer Therapy <i>in Vitro</i> and <i>in Vivo</i> . <i>ACS Nano</i> , 2015, 9, 9741-9756. | 14.6 | 149 |
| 27 | Preface: 7th Vacuum and Surface Sciences Conference of Asia and Australia (VASSCAA-7). <i>Applied Surface Science</i> , 2015, 354, 1. | 6.1 | 0 |
| 28 | Thermal stability and folding kinetics analysis of disordered protein, securin. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 2171-2178. | 3.6 | 4 |
| 29 | Development of a Growth Hormone-Conjugated Nanodiamond Complex for Cancer Therapy. <i>ChemMedChem</i> , 2014, 9, 1023-1029. | 3.2 | 17 |
| 30 | Programmable Redox State of the Nickel Ion Chain in DNA. <i>Nano Letters</i> , 2014, 14, 1026-1031. | 9.1 | 17 |
| 31 | Simple and highly efficient direct thiolation of the surface of carbon nanotubes. <i>RSC Advances</i> , 2014, 4, 14777-14780. | 3.6 | 17 |
| 32 | Directly Thiolated Modification onto the Surface of Detonation Nanodiamonds. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 7198-7203. | 8.0 | 36 |
| 33 | Single domain antibody against carcinoembryonic antigen-related cell adhesion molecule 6 (CEACAM6) inhibits proliferation, migration, invasion and angiogenesis of pancreatic cancer cells. <i>European Journal of Cancer</i> , 2014, 50, 713-721. | 2.8 | 29 |
| 34 | Evidence of securin-mediated resistance to gefitinib-induced apoptosis in human cancer cells. <i>Chemico-Biological Interactions</i> , 2013, 203, 412-422. | 4.0 | 14 |
| 35 | Synthesis of Apolipoprotein B Lipoparticles to Deliver Hydrophobic/Amphiphilic Materials. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 7509-7516. | 8.0 | 12 |
| 36 | Rapid and highly sensitive detection of Enterovirus 71 by using nanogold-enhanced electrochemical impedance spectroscopy. <i>Nanotechnology</i> , 2013, 24, 285102. | 2.6 | 11 |

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|----|--|-----|-----------|
| 37 | Magnetic and Metal Binding Structural Analysis of Mn,Zn-Metallothionein-Green Fluorescence Fusion Protein. <i>Biophysical Journal</i> , 2012, 102, 187a. | 0.5 | 0 |
| 38 | Rapid Detection and Quantification of Enterovirus 71 by Electrochemical Impedance Spectroscopy. <i>Biophysical Journal</i> , 2012, 102, 189a. | 0.5 | 0 |
| 39 | Folding and Characterization of Intrinsically Disordered Protein Human Cyclin I (Ccn1). <i>Biophysical Journal</i> , 2012, 102, 634a-635a. | 0.5 | 0 |
| 40 | Specific features of the temperature behavior of lysozyme diffusivity in solutions with different protein concentrations. <i>Journal of Molecular Liquids</i> , 2012, 168, 7-11. | 4.9 | 2 |
| 41 | Apolipoprotein B Reconstruction at Single Molecular Level. <i>Biophysical Journal</i> , 2011, 100, 542a. | 0.5 | 0 |
| 42 | Ni ²⁺ Enhanced Charge Transport via Pi Pi Stacking Corridor in Metallic DNA. <i>Biophysical Journal</i> , 2011, 100, 472a. | 0.5 | 0 |
| 43 | Folding Mechanism Revealing of PGB1 by FRET and Molecular Simulation. <i>Biophysical Journal</i> , 2011, 100, 543a. | 0.5 | 0 |
| 44 | Ni ²⁺ -Enhanced Charge Transport via π - π Stacking Corridor in Metallic DNA. <i>Biophysical Journal</i> , 2011, 100, 1042-1048. | 0.5 | 12 |
| 45 | A unique and potent protein binding nature of liposome containing polyethylenimine and polyethylene Glycol: A nondisplaceable property. <i>Biotechnology and Bioengineering</i> , 2011, 108, 1318-1327. | 3.3 | 20 |
| 46 | Haemoglobin-induced oxidative stress is associated with both endogenous peroxidase activity and H ₂ O ₂ generation from polyunsaturated fatty acids. <i>Free Radical Research</i> , 2011, 45, 303-316. | 3.3 | 7 |
| 47 | Human haptoglobin phenotypes and concentration determination by nanogold-enhanced electrochemical impedance spectroscopy. <i>Nanotechnology</i> , 2011, 22, 245105. | 2.6 | 15 |
| 48 | Missense Mutation in APOC3 within the C-terminal Lipid Binding Domain of Human ApoC-III Results in Impaired Assembly and Secretion of Triacylglycerol-rich Very Low Density Lipoproteins. <i>Journal of Biological Chemistry</i> , 2011, 286, 27769-27780. | 3.4 | 91 |
| 49 | Design of Nanodiamond Based Drug Delivery Patch for Cancer Therapeutics and Imaging Applications. , 2010, , 249-284. | | 2 |
| 50 | Protein-nanodiamond complexes for cellular surgery. , 2010, , 189-224. | | 2 |
| 51 | Hemoglobin induced oxidative stress is associated with both endogenous peroxidase activity and H ₂ O ₂ generation from polyunsaturated fatty acids. <i>FASEB Journal</i> , 2010, 24, 463.3. | 0.5 | 0 |
| 52 | Molecular Mechanism of Nanodiamonds Attacking Cancer Cell. <i>FASEB Journal</i> , 2010, 24, 520.1. | 0.5 | 0 |
| 53 | An unopened knot protein: YbeA. <i>FASEB Journal</i> , 2010, 24, 684.3. | 0.5 | 0 |
| 54 | Room temperature negative differential resistance in DNA-based molecular devices. <i>Applied Physics Letters</i> , 2009, 94, . | 3.3 | 35 |

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|----|--|------|-----------|
| 55 | Direct Observation of Single Molecule Conformational Change of Tight-Turn Paperclip DNA Triplex in Solution. <i>Applied Biochemistry and Biotechnology</i> , 2009, 159, 261-269. | 2.9 | 3 |
| 56 | Characterizing the polymeric status of <i>Helicobacter pylori</i> heat shock protein 60. <i>Biochemical and Biophysical Research Communications</i> , 2009, 388, 283-289. | 2.1 | 25 |
| 57 | Laser Induced Popcorn-like Conformational Transition of Nano-diamond as a Nanoknife. <i>Biophysical Journal</i> , 2009, 96, 28a. | 0.5 | 1 |
| 58 | Resonant X-Ray Scattering and Absorption for the Global and Local Structures of Cu-modified Metallothioneins in Solution. <i>Biophysical Journal</i> , 2009, 97, 609-617. | 0.5 | 12 |
| 59 | Alpha-bungarotoxin binding to target cell in a developing visual system by carboxylated nanodiamond. <i>Nanotechnology</i> , 2008, 19, 205102. | 2.6 | 61 |
| 60 | Laser induced popcornlike conformational transition of nanodiamond as a nanoknife. <i>Applied Physics Letters</i> , 2008, 93, 033905. | 3.3 | 14 |
| 61 | Ni ²⁺ -doping DNA: a semiconducting biopolymer. <i>Nanotechnology</i> , 2008, 19, 355703. | 2.6 | 13 |
| 62 | Popcorn-like Conformational Transition of Bio-Nanoparticle Complex: Analysis and Application. <i>FASEB Journal</i> , 2008, 22, 622.2. | 0.5 | 0 |
| 63 | Refolding of ybeA: a native knotted protein. <i>FASEB Journal</i> , 2008, 22, 609.3. | 0.5 | 0 |
| 64 | Calcium dependent p21 cip1/waf1 stabilizer cyclin I (Ccn1).. <i>FASEB Journal</i> , 2008, 22, 638.1. | 0.5 | 0 |
| 65 | Direct and in vitro observation of growth hormone receptor molecules in A549 human lung epithelial cells by nanodiamond labeling. <i>Applied Physics Letters</i> , 2007, 90, 163903. | 3.3 | 109 |
| 66 | Nanometer-Sized Diamond Particle as a Probe for Biolabeling. <i>Biophysical Journal</i> , 2007, 93, 2199-2208. | 0.5 | 257 |
| 67 | Direct visualization of triplex DNA molecular dynamics by fluorescence resonance energy transfer and atomic force microscopy measurements. <i>Applied Physics Letters</i> , 2007, 91, 203901. | 3.3 | 7 |
| 68 | Biocompatible and detectable carboxylated nanodiamond on human cell. <i>Nanotechnology</i> , 2007, 18, 325102. | 2.6 | 250 |
| 69 | Self-assembled molecular magnets on patterned silicon substrates: Bridging bio-molecules with nanoelectronics. <i>Biomaterials</i> , 2007, 28, 1941-1947. | 11.4 | 12 |
| 70 | Patterned self-assembly of magnetic biomolecules on semiconductor substrates. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 1211-1214. | 4.0 | 0 |
| 71 | Activation of p38 mitogen-activated protein kinase by celecoxib oppositely regulates survivin and gamma-H2AX in human colorectal cancer cells. <i>Toxicology and Applied Pharmacology</i> , 2007, 222, 97-104. | 2.8 | 43 |
| 72 | Toxicity and detection of carboxylated nanodiamonds on human lung epithelial cells. <i>FASEB Journal</i> , 2007, 21, A267. | 0.5 | 3 |

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|----|---|-----|-----------|
| 73 | Structure and function analysis of new member of cyclin family: Cyclin I. FASEB Journal, 2007, 21, A1034. | 0.5 | 0 |
| 74 | Human securin: a p53 mediated protooncogene. FASEB Journal, 2007, 21, A634. | 0.5 | 0 |
| 75 | The study of recombinant fish growth hormone (rEaGH) folding and aggregation. FASEB Journal, 2007, 21, A629. | 0.5 | 0 |
| 76 | Self-assembled Molecular Magnets on Patterned Silicon Substrates. , 2006, , . | | 0 |
| 77 | Spectroscopic study of bio-functionalized nanodiamonds. Diamond and Related Materials, 2006, 15, 622-625. | 3.9 | 184 |
| 78 | Mn,Cd-metallothionein-2: A room temperature magnetic protein. Biochemical and Biophysical Research Communications, 2006, 340, 1134-1138. | 2.1 | 5 |
| 79 | 2P091 Turing metallothionein into magnetic protein(30. Protein function (II),Poster) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 50 | 0.1 | 0 |
| 80 | Guided three-dimensional molecular self-assembly on silicon substrates. Applied Physics Letters, 2006, 88, 263104. | 3.3 | 0 |
| 81 | FOLDING AND STRUCTURAL CHARACTERIZATION OF RECOMBINANT CYCLIN-DEPENDENT KINASE INHIBITOR p21(Cip1, Waf1, Sdi1). Biophysical Reviews and Letters, 2006, 01, 45-56. | 0.8 | 4 |
| 82 | Protein folding stabilizing time measurement: A direct folding process and three-dimensional random walk simulation. Biochemical and Biophysical Research Communications, 2005, 328, 845-850. | 2.1 | 8 |
| 83 | Refolding of lysozyme by quasistatic and direct dilution reaction paths: A first-order-like state transition. Physical Review E, 2004, 70, 011904. | 2.1 | 12 |
| 84 | Transmission electron microscopic observations of membrane effects of antibiotic cecropin B on Escherichia coli. Microscopy Research and Technique, 2003, 62, 423-430. | 2.2 | 37 |
| 85 | A First-Order-Like State Transition for Recombinant Protein Folding. Journal of Biomolecular Structure and Dynamics, 2003, 21, 247-255. | 3.5 | 10 |
| 86 | Reversible folding of cysteine-rich metallothionein by an overcritical reaction path. Biochemical and Biophysical Research Communications, 2003, 306, 59-63. | 2.1 | 14 |
| 87 | Structural restoration of inactive recombinant fish growth hormones by chemical chaperonin and solvent restraint approaches. Protein Engineering, Design and Selection, 2002, 15, 437-441. | 2.1 | 12 |
| 88 | Protein folding by a quasi-static-like process: A first-order state transition. Physical Review E, 2002, 66, 021903. | 2.1 | 19 |
| 89 | Function and Sequence Analyses of Tumor Suppressor Gene p53 of CHO.K1 Cells. DNA and Cell Biology, 1999, 18, 315-321. | 1.9 | 35 |
| 90 | Simulation of Zn/Cd binding in mammalian metallothionein domains. , 1999, , 45-49. | | 1 |

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|----|--|-----|-----------|
| 91 | Cysteine contributions to metal binding preference for Zn/Cd in the beta-domain of metallothionein. <i>Protein Engineering, Design and Selection</i> , 1998, 11, 41-46. | 2.1 | 17 |
| 92 | Semi-empirical simulation of Zn/Cd binding site preference in the metal binding domains of mammalian metallothionein. <i>Protein Engineering, Design and Selection</i> , 1996, 9, 1165-1172. | 2.1 | 21 |
| 93 | Mutation of gene required for cell spreading is corrected by serum or factor secreted by normal cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1995, 31, 571-573. | 1.5 | 0 |