



باسمه تعالی

سوابق آموزشی، پژوهشی و اجرایی

نام و نام خانوادگی: داود عاجلو عضو هیات علمی دانشگاه دامغان

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تعداد مقالات چاپ شده بین المللی: ۶۷ (ISI ۶۰ و علمی پژوهشی ۷)

تعداد مقالات ارسال شده بین المللی: ۱۰

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تعداد پایان‌نامه‌های کارشناسی ارشد راهنمایی شده: بیش از ۴۵

تعداد پایان‌نامه‌های دکتری راهنمایی شده: ۵ تعداد پایان‌نامه‌های دکتری تحت راهنمایی: ۴

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Journal of Biomolecular Structure and Dynamics
International Journal of Biological Macromolecules
Journal of Molecular Graphics and Modeling
SAR and QSAR in Environment Research
Spectrochim Acta
Journal of Molecular Structure
PLOS
Colloid and surfaces
Physical Chemistry Research

زمینه‌های پژوهشی مورد علاقه: مطالعه آزمایشگاهی و نظری سینتیک و ترمودینامیک آنزیم‌ها و پروتئین‌ها، دارورسانی، طراحی دارو، شیمی دارویی

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58-Ayoub Kanaani^a, Mohammad vakili^{b*}, **Davood Ajloo**^{a*}, Mehdi Nekoei^c Current–Voltage Characteristics of the Aziridine Based Nano-Molecular Wires: a Light-Driven Molecular Switchchines DOI: 10.1088/0256-307X/35/4/048501 CPL Vol 35 No. 4 2018 CHIN.PHYS.LETT. Vol.35, No.4(2018)048501

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Research Papers

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نویسندگان محترم مجید امیری گریوانی با سلام و احترام با کمال مسرت به اطلاع می رساند مقاله شما تحت عنوان DNA با: (IV) برهمکنش کمپلکسهای باز شیف اکسو وانادیم مرئی، – تیموس گوساله توسط روشهای طیفسنجی ماورای بنفش "

طیفسنجی فلورسانس و بررسی خواص ضدباکتریایی آنها" ۵۳۱/ ۵۱/۵۱ در تاریخ ، پس از بررسی ، ۱۵ مورد پذیرش و در سال چهاردهم، شماره ۶ ۵۳۱ تابستان در نوبت چاپ قرار خواهد گرفت

68-M. Amiri^a; M. Fazli^a and D. Ajloo^{b*} QSAR, Docking and Molecular Dynamic studies on the piperidone-grafted mono- and bis-spirooxindole-hexa hydroppyrrrolizines as potent butyrylcholinestrace inhibitors Phys Chem Res Vol. 6, No. 4, 685-711, December 2018

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2. Reyhaneh Rostamzadeh, Davood Ajloo, Effects of lorazepam and midazolam on the structure of adenosine deaminase:Molecular dynamic studies 1st Tabriz International Life Science Conference and 12thIran Biophysical Chemistry Conference (TILSC & IBCC), 2013, Tabriz, Iran May, 2013.
3. Seyed Ameneh Hosseini, Davood Ajloo, Taghi Lashkarbolouki, Seyed Hassan Hosseini, Ionic Modified Epoxy Functionalized Polymer Gel as a High Performance support for Immobilization of Cellulase 1st Tabriz International Life Science Conference and 12thIran Biophysical Chemistry Conference (TILSC & IBCC), 2013, Tabriz, Iran May, 2013.
4. Sajede Shabanpanah, Davood Ajloo, Bita Shafaatian, Taghi Lashkarbolouki, Studies on the Interaction of, a New Nickel Schiff base complex Containing N2O2 Donor Atoms with Calf Thymus DNA 1st Tabriz International Life Science Conference and 12thIran Biophysical Chemistry Conference (TILSC & IBCC), 2013, Tabriz, Iran May, 2013.
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23. Masoomeh sangian, Davood Ajloo, Effect of ionic liquid on aggregation of nickel tetrasulfonated phthalocyanine 15th Iranian chemistry conference September, 2011.
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25. Maryam Ghadamgahi, Davood Ajloo, Molecular dynamics simulation study of Short chains alcohols effect in kinetic of porphyrin aggregation 15th Iranain chemistry congress September, 2011.
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ترجمه کتاب

۱- زیست شناسی کوانتومی تالیف اس پی گوپتا مترجمین دکتر علی اکبر صبوری **داود عاجلو** انتشارات دانشگاه تهران

۱۳۸۰

۲- شیمی فیزیک تالیف اتکینز ویرایش هشتم مترجمین عبدالخالق بردبار، غلامرضا رضایی بهبهانی، عباس رفعتی **داود عاجلو**

علی اکبر صبوری علیرضا صلابت علی اکبر میرزایی انتشارات نوپردازان ۱۳۸۶

۳- برازش داده ها در شیمی تالیف پیتر گانس مترجمین نیما قلعه و **داود عاجلو** انتشارات دانشگاه دامغان ۱۳۹۱

۴- ترمودینامیک آماری کاربردی، تالیف استانلی ای سندلر ترجمه **داود عاجلو** و مریم قدمگاهی انتشارات دانشگاه دامغان

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ترجمه شده و در مرحله صفحه آرایی

1-Concise physical chemistry DONALD W. ROGERS Department of Chemistry and Biochemistry John Wiley The Brooklyn Center Long Island University Brooklyn, NY

2- Mathematics for Physical Chemistry by Robert G. Mortimer Fourth Edition, Academic Press is an Imprint of Elsevier

1-Prediction of inhibition property of anti-Alzheimer compounds

2-Molelular dynamics studies on the effect of thermal and chemical denaturant on the structure of three poly-peptide with different charges

3-Physicochemical study on the interaction of some of polyoxometalates with human serum albumin

4-Molecular modeling study on the quantitative structure activity relationship of some of natiridines derivetives as inhibitors of HIV integrase

بیابان نامه های راهنمایی شده کارشناسی ارشد شیمی فیزیک

StudentName▲	Defence Date	Thesis Topic	Consulting Professors
Farveh Behmanesh	05/01/2004	The calculation and prediction of reduction potential for some of anthraquinones and free energy transfer of amino acids by quantum chemistry and statistical methods	
Hossein Behnam	06/01/2004	Physicochemical studies on the interaction of some of polyoxometalate compounds with human serum albumin	
Maryam Vanaki	06/01/2004	The physicochemical study of the kinetic of oxidation and interaction of human A and S hemoglobin with 2,2'-dithiobispyridine in the absence and presence of surfactant	
Niloofar Haghi-Asli	11/01/2004	Kinetic and thermodynamic studies of the adenosine deaminase inhibition by aspirin and declofenac	
Behnaz Yoonesi-Jamnani	01/01/2005	The experimental and computational study on the solvent and substituent effect on reduction potential of some of anthraquinones	
Hannaneh Moosavi-Nik	02/01/2005	The study on the effect of polyoxometalate and methocloperamide on the kinetic of adenosine deaminase	
Hanieh Dayani	02/01/2006	Kinetic study of inhibition of adenosine deaminase enzyme by some of psorealens and anthraquinone	
Shekofeh Beheshti	06/01/2007	ab initio quantum mechanical study of the interaction of ethylen with	

StudentName▲	Defence Date	Thesis Topic	Consulting Professors
		graphit and carbon nanotube	
Leila Najafi	02/01/2008	Effects of Dimaine, Diacid and Dintitro Derivatives on the Inhibition of Adenosine Deaminase; Experimental, Molecular Docking and QSAR Studies	
Mona Asadzadeh	02/01/2008	Calculation and prediction of binding constant of some drugs to human serum albumin and adenosine deaminase by means of penetic algorithm in AutoDock and QSAR calculation	
Ali Reza Teimoortash	06/01/2008	Thermodynamic investigation and structural studies on the inteaction of meso-tetrakis(4-sulfunato-4-methoxyphenyl)porphyrin and meso-tetrakis(3-sulfunato-4-methoxyphenyl)porphyrin with human serum albumin	
Elaheh Bazayari	06/01/2008	Effect of midazolam and midazolam on the activity and structure of adenosine deaminase	
Marzieh Daraie	06/01/2008	The interaction of mesotetrakis(para-n-trimetylanilinium)porphyrin and ferroderivaatives with (DA-DT)15 and DG-DC)15 oligonucleotides	
Seyed Ali Sharifian	06/01/2008	molecular dynamics study on the effect of guanidine hydrochloride, solvent, temperature and pressure on the structure of polyglutamate	
Elias Taghizadeh	09/01/2008	Molecular Dynamics Study of the salt, solvent, surfactant, temperature effect on the structure of	

StudentName▲	Defence Date	Thesis Topic	Consulting Professors
		adenosine deaminase	
Pouria Dasmeh	01/01/2010	Non-equilibrium fluctuation theorems for microscopic thermally driven systems	
Homam Zarini	02/01/2010	An electron density analysis of halogen bonding	
Samaneh Hajipour	06/01/2010	Thermodynamics and structural studies of the interaction of meso-tetrakis(3-N-methyl-pyridyl) porphyrin, meso-tetrakis(4-sulfonatophenyl)porphyrin with adenosine deaminase enzyme	
Sharbanoo Ghalehaghbabae	06/01/2010	Molecular dynamics studies on the effect of thermal and chemical denaturants on the polyalanine structure	
Afsaneh Azadi	11/01/2010	Molecular dynamics simulation of curcumin and β -trehalose effect on amyloid peptide aggregation	
Maryam Ghadamgahi	11/01/2010	Calculation and Prediction of kinetic and equilibrium constant of porphyrin derivatives by molecular dynamics simulation and Docking	
Mohrokh Peer	12/01/2010	Studies of dye-surfactant interactions by absorption spectra	
Aiub Kanaani	02/01/2011	Conformational stability, molecular structure, intramolecular hydrogen bonding, and vibrational spectra of 5,5-dimethyl hexane 2,4 dione	
Hossein Drakhshankhah	05/01/2011	Designing and investigating the features of artificial nano enzymes containing nickel and copper	

StudentName▲	Defence Date	Thesis Topic	Consulting Professors
		mimiced from active site of mushroom tyrosinase and comparing it with tyrosinase.	
Maryam Payehghadr	05/01/2011	Binding studies of dyhydroprymidinone drivatives to serum albumin by fluorecence, molecular docking and QSAR	
Hooman Asgarian	10/01/2011	quantitative structure-activity relationship studies on the acethylcholine esterase inhibitors	Seyed Faramarz Tayyari
Afsaneh Rezaie	10/19/2011	structure and activity relationship and docking studies on the tyrosinase inhibitors	Massoud Shabanzadeh
Maryam Pooyafar	11/01/2011	Terrtiary structure prediction of a-glucosidase and inhibition properties of N-(phenoxydecyl) phthalimide derivatives	
Elaheh Mohebbi	01/03/2012	Quantum mechanics simulation of epoxidation reaction kinetics for some of alkenes by chrome complexes and adenosine deaminase reaction kinetics	Kiamars Eskandari
Masome Sangian	02/01/2012	Effect of two imidazolium derivatives of ionic liquids on the structure and activity of adenosine deaminase	Ali Akbar Saboury and Taghi Lashkarbolouki
Seyyed Morteza Fazeli	09/10/2012	Molecular dynamics and docking study on the interaction of tetra sodium sulphonated nickel (II) phthalocyanine and adenosine deaminase enzyme	
Sasan Moradi	09/12/2012	Spectroscopic studies on the interaction of gold(III) trichloro and tribromo phenanthridine with calf	

StudentName▲	Defence Date	Thesis Topic	Consulting Professors
		thymus DNA (CT-DNA)[/color][[/b]	
Hossein Farahbakhsh	2012 sept	Prediction of pharmaceutical properties of some of antitubercular drugs by QSAR methods	
Arash Amiri	2012 sept	Prediction of Retention Index for Flavonoid and Chalcone Compounds by using QSPR	
Fereshte Shaheri	2013 feb	Spectroscopic and molecular dynamics investigations of surfactant effect on the Cobalt(II) tetrasulfonated phthalocyanine (CoTPPS) aggregation	
Sajede Shabanpanah	2013 sept	Physico-chemical study on the interaction of tetradentate Schiff base 1,3-bis(2-hydroxy-benzylidene)-urea and its dimethoxy derivatives and nickel complex with calf thymus DNA.	Dr. Bita Shafaation
Khadijeh Ghadimi	2013 sept	Spectroscopic and molecular dynamic study on the interaction of Pd(II) complexes of phenanthroline and glycine derivatives with calf thymus DNA	Dr. Mahbobeh Eslami Moghadam
Reyhaneh Rostamzadeh	2013 sept	Molecular dynamics simulations on the effect of temperature and some inhibitors on water-methane clathrate system	
Hakimeh Mir	2013 sept	Study of Kinetics and Mechanism of Naringenin Reaction with DPPH radical in the two-component mixtures of water- ethanol	
Seyede Ameneh	2013 Oct	Investigation in adsorption	

StudentName▲	Defence Date	Thesis Topic	Consulting Professors
Hoseini		properties of cellulase onto the polymer	