

بسمه تعالی

شناسنامه پژوهشی دکتر علیرضا رضوانی  
عضو هیأت علمی گروه شیمی، گرایش شیمی معدنی دانشگاه سیستان و بلوچستان



تاریخ به روز رسانی: ۱۳۹۷/۳/۲۰

بیوگرافی:

نام: علیرضا

نام خانوادگی: رضوانی

محل تولد: تربت جام - استان خراسان رضوی

سال تولد: ۱۳۳۷

تلفن محل کار: ۰۵۴-۳۱۱۳۶۳۵۹

تلفن همراه: ۰۹۱۵۱۴۳۰۲۵۶

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سوابق تحصیلی:

- تاریخ اخذ دیپلم: خرداد ماه ۱۳۵۶ با درجه شاگرد اولی در شهرستان تربت جام
- تاریخ اخذ کارشناسی: شهریور ماه ۱۳۶۳ در رشته شیمی محض
- تاریخ اخذ کارشناسی ارشد: اسفند ماه ۱۳۶۵ در گرایش شیمی معدنی از انستیتو شیمی دانشگاه مازندران
- تاریخ اخذ درجه دکتری: اسفند ماه ۱۳۷۳ از دانشگاه کارلتون-اوتاوا-کانادا در گرایش شیمی معدنی

عنوان پایان نامه:

Inner and outer sphere perturbation of the Ru(III)–cyanamide bond and the consequences to metal-metal coupling

## سوابق کاری:

- کارشناس شیمی در کارخانه قند تربت جام (از مهرماه ۶۳ لغایت اسفندماه ۶۳)
- عضو هیئت علمی با مرتبه (مربی) در دانشگاه تربیت معلم زاهدان (از اردیبهشت ماه ۶۶ لغایت شهریور ماه ۶۹)
- مامور به تحصیل در دانشگاه کارلتون کشور کانادا (از شهریور ماه ۶۹ لغایت اسفند ماه ۷۳)
- عضو هیئت علمی با مرتبه استادیاری دانشگاه سیستان و بلوچستان ( فروردین ماه ۷۴)
- ارتقاء به مرتبه دانشیاری (مهرماه ۸۱)
- فرصت مطالعاتی دانشگاه مک گیل کانادا (از مهرماه ۸۱ لغایت مهر ۸۲)
- ارتقاء به مرتبه استادی (دی ماه ۸۷)

## وضعیت فعلی

رتبه: استاد تمام

پایه: ۴۱

گروه آموزشی: گروه شیمی

دانشکده: علوم پایه دانشگاه سیستان و بلوچستان

## سوابق اجرایی:

- مدیر دانشجویی دانشسرای عالی زاهدان (دانشگاه تربیت معلم) از مهر ۶۶ لغایت مرداد ۶۷
- معاون دانشجویی دانشگاه تربیت معلم زاهدان شهریور ۶۷ لغایت شهریور ۶۹
- معاون اداری و مالی دانشکده علوم از آذرماه ۷۴ لغایت بهمن ۷۷
- رئیس دانشکده دریانوردی و علوم دریایی چابهار از بهمن ۷۷ لغایت مهر ۷۹
- رئیس دانشگاه پیام نور مرکز چابهار از بهمن ۷۷ لغایت مهر ۷۹.
- رئیس دوره شبانه و موافقت نامه های دانشگاه از آبان ماه ۸۳ تا شهریور ۹۱ با حفظ سمت
- معاون دانشجویی و فرهنگی دانشگاه از ۲۰ شهریور ۸۷ تا شهریور ۹۰
- عضو هیئت رئیسه دانشگاه
- عضو شورای فرهنگی دانشگاه
- عضو شورای بورس و استخدام دانشگاه

- عضو شورای نظارت بر نشریات دانشجویی دانشگاه
- عضو شورای آموزشی دانشگاه
- عضو شورای تحصیلات تکمیلی دانشگاه
- عضو کمیته ارتقای دانشکده علوم پایه
- عضو شورای اداری دانشگاه
- عضو کمیته تخصصی علوم پایه هیات ممیزه دانشگاه به مدت هشت سال
- عضو هیات ممیزه دانشگاه به مدت سه دوره (شش سال)
- دبیر کمیسیون موارد خاص استان از طرف معاونت محترم دانشجویی وزارت علوم و فناوری
- دبیر شورای کار گروه تخصصی هویت و همبستگی ملی از طرف معاونت محترم فرهنگی و اجتماعی وزارت علوم و فناوری.
- عضو کمیسیون دانشجویی شهرستان زاهدان و استان سیستان و بلوچستان
- رئیس دانشگاه سیستان و بلوچستان از ۲۰ شهریور ۹۰ تا بهمن ۹۳
- عضو شورا فرهنگی استان سیستان و بلوچستان
- عضو شورا امر به معروف و نهی از منکر استان سیستان و بلوچستان
- عضو شورا اداری استان سیستان و بلوچستان
- قائم مقام بسیج اساتید دانشگاه سیستان و بلوچستان از مهر ماه ۸۷
- عضو شورای مشورتی کانون بسیج اساتید دانشگاه های استان سیستان و بلوچستان
- رئیس کار گروه بررسی صلاحیت عمومی دانشگاه
- رئیس هیات جذب دانشگاه
- رئیس هیات ممیزه دانشگاه
- عضو کمیته شیمی وزارت علوم از سال ۹۲ تا کنون
- عضو کمیته تخصصی شیمی شورای گسترش وزارت علوم
- عضو انجمن شیمی ایران
- عضو انجمن بلور شناسی و کانی شناسی ایران
- عضو انجمن الکتروشیمی ایران

## فعالیت های آموزشی :

الف) دروس تدریس شده در دوره کارشناسی:

- شیمی عمومی I و II

- شیمی معدنی I و II

- شیمی آلی فلزی

- اصول تصفیه آب

- بررسی متون شیمی

- پروژه های تمرین و پژوهش

- زبان تخصصی شیمی

ب) - دروس تدریس شده در دوره کارشناسی ارشد:

- شیمی معدنی پیشرفته

- سنتتیک و ترمودینامیک کمپلکسها

- طیف سنجی کمپلکسهای معدنی

- فتوشیمی کمپلکسهای معدنی

- شیمی فیزیک معدنی

- شیمی آلی فلزی

- زبان تخصصی

پ) - دروس تدریس شده در دوره دکتری:

- مکانیزم واکنشهای انتقال الکترون در کمپلکسهای معدنی

- Multi nuclear NMR

- پلیمرهای معدنی

- شیمی آلی فلزی پیشرفته

- نانو ذرات در شیمی

- نانو تکنولوژی در شیمی

- غشاها و کاربرد آن در صنعت

- کاربرد الکترو شیمی در شیمی معدنی

تعداد دانشجویان مقطع دکتری فارغ التحصیل:

۲۰ نفر (از سال ۷۶ تاکنون)

تعداد دانشجویان مقطع دکتری مشغول به تحصیل:

۱۰ نفر

تعداد دانشجویان مقطع کلرشناسی ارشد:

۸۰ نفر

فعالیت های پژوهشی:

(الف) مقالات ISI:

- 
- ۱ **Design and synthesis of novel thiourea metal complexes with controllable antibacterial properties**  
S Rakhshani, AR Rezvani, M Dušek, V Eigner, Applied Organometallic Chemistry 32 (6), e4342, 2018
- 
- ۲ **Multispectroscopic DNA-Binding studies and antimicrobial evaluation of new mixed-ligand Silver (I) complex and nanocomplex: A comparative study**  
E Movahedi, AR Rezvani, Journal of Molecular Structure 1160, 117-128
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- ۳ **Sonochemical synthesis of a novel nanoscale 1D lead(II)  $[Pb_2(L)_2(I)_4]_n$  coordination Polymer, survey of temperature, reaction time parameters**  
Payam Hayati, Salvio Suárez-García, Angel Gutiérrez, Daniel Ruiz Molina, Ali Morsali, Ali Reza Rezvani, Ultrasonics Sonochemistry, 42, 2018, 320-326
- 
- ۴ **Sonochemical synthesis of two novel Pb(II) 2D metal coordination polymer complexes: New precursor for facile fabrication of lead(II) oxide/bromide micro-nanostructures**  
Payam Hayati, Salvio Suárez-García, Angel Gutierrez, Ertan Şahin, Daniel Ruiz Molina, Ali Morsali, Ali Reza Rezvani, Ultrasonics Sonochemistry, 42, 2018, 310-319
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- δ **Evaluation of DNA, BSA binding, and antimicrobial activity of new synthesized neodymium complex containing 29-dimethyl 110-phenanthroline**  
Z Moradi, M Khorasani-Motlagh, AR Rezvani, M Noroozifar, Journal of Biomolecular Structure and Dynamics 36 (3), 779-794
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- ϵ **Glycine and metformin as new counter ions for mono and dinuclear vanadium(V)-dipicolinic acid complexes based on the insulin-enhancing anions: Synthesis, spectroscopic characterization and crystal structure**  
F Ghasemi, AR Rezvani, K Ghasemi, C Graiff Journal of Molecular Structure 1154, 319-326
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- γ **Novel inorganic precursors  $[\text{Co}_{4.32}\text{Zn}_{1.68}(\text{HCO}_2)_{18}(\text{C}_2\text{H}_8\text{N})_6]/\text{SiO}_2$  and  $\text{Co}_{4.32}\text{Zn}_{1.68}(\text{HCO}_2)_{18}(\text{C}_2\text{H}_8\text{N})_6/\text{Al}_2\text{O}_3$  for Fischer–Tropsch synthesis**  
S Saheli, AR Rezvani, A Malekzadeh, M Dusek, V Eigner, International Journal of Hydrogen Energy 43 (2), 685-694
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- λ **Determination of Norepinephrine at a Graphite Screen Printed Electrode Modified with Ag (I) Nanocomplex**  
E Movahedi, A Rezvani, ANALYTICAL & BIOANALYTICAL ELECTROCHEMISTRY 9 (8), 956-968
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- ρ **Sonochemical synthesis and characterization of a novel hetro-binuclear metal organic nano polymer based on picolinic acid ligand**  
P Hayati, B Sori, AR Rezvani, A Morsali, A Gutierrez, Journal of Molecular Structure 1150, 404-410
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- ϑ **Adsorption of semisoft pollutants onto  $\text{Bi}_2\text{S}_3/\text{Ag}_2\text{S-AC}$  under the influence of ultrasonic waves as external field**  
K Dashtian, S Porhemat, AR Rezvani, M Ghaedi, MM Sabzehmeidani, Journal of Industrial and Engineering Chemistry, 60, 2018, 390-400
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- ϑϑ **Biodegradation of Heavy Crude Oil Using Persian Gulf Autochthonous Bacterium**  
A Parach, A Rezvani, MM Assadi, B Akbari-Adergani, International Journal of Environmental Research 11 (5-6), 667-675
- 
- ϑϒ **Ultrasonic treatment of wastewater contaminated with various dyes using tin oxide hydroxide nanoparticles loaded on activated carbon: Synthesis, performance, mechanism and statistical optimization**  
S Porhemmat, A Rezvani, M Ghaedi, A Asfaram, A Goudarzi, Applied Organometallic Chemistry 31 (12)
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- ۱۳ **Synthesis, characterization, crystal structure and electrochemical studies of ionic iron (III) dipicolinato complex**  
F Ghasemi, K Ghasemi, AR Rezvani, MM Rosli, IA Razak, Journal of Molecular Structure 1144, 186-190
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- ۱۴ **Study of structural and catalytic properties of Ni catalysts prepared from inorganic complex precursor for Fischer-Tropsch synthesis**  
S Saheli, AR Rezvani, A Malekzadeh, Journal of Molecular Structure 1144, 166-172
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- ۱۵ **Nanocomposites: synthesis, characterization and its application to removal azo dyes using ultrasonic assisted method: modeling and Optimization**  
S Porhemmat, M Ghaedi, AR Rezvani, MHA Azqhandi, AA Bazrafshan, Ultrasonics sonochemistry 38, 530-543
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- ۱۶ **A facile route for the preparation of new Pd/La<sub>2</sub>O<sub>3</sub> catalyst with the lowest palladium loading by a new reduction system as a high performance catalyst towards ethanol oxidation**  
N Alfi, A Rezvani, M Khorasani-Motlagh, M Noroozifar International Journal of Hydrogen Energy 42 (30), 18991-19000
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- ۱۷ **New silver (I) complex with diazafluorene based ligand: Synthesis, characterization, investigation of in vitro DNA binding and antimicrobial studies**  
E Movahedi, AR Rezvani, Journal of Molecular Structure 1139, 407-417
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- ۱۸ **Sonochemical synthesis, characterization, and effects of temperature, power ultrasound and reaction time on the morphological properties of two new nanostructured mercury(II) coordination supramolecule compounds**  
Payam Hayati, Ali Reza Rezvani, Ali Morsali, Daniel Ruiz Molina, Samira Geravand, Salvio Suarez-Garcia, Miguel Angel Moreno Villacija, S García-Granda, Rafael Mendoza-Meroño, Pascal Retailleau, Ultrasonics Sonochemistry, 37, 2017, 382-393
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- ۱۹ **Synthesis, characterization, crystal structure, DNA/BSA binding ability and antibacterial activity of asymmetric europium complex based on 1, 10-phenanthroline**  
N Alfi, M Khorasani-Motlagh, AR Rezvani, M Noroozifar, K Molčanov, Journal of Molecular Structure 1137, 771-783
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- ۲۰ **Fischer-Tropsch reaction over a Co<sub>2</sub>-Ni-Mn/SiO<sub>2</sub> nanocatalyst prepared by thermal decomposition of a new precursor**  
Z Razmara, AR Rezvani, H Saravani, Chemical Papers 71 (4), 849-856
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- ۲۱ **Survey of temperature, reaction time and ultrasound irradiation power on sonochemical synthesis of two new nanostructured lead(II) coordination supramolecule compounds**  
P Hayati, AR Rezvani, A Morsali, P Retailleau, R Centore Ultrasonics sonochemistry 35, 81-91
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- ۲۲ **A novel salt of antidiabetic drug metformin resulting from a proton transfer reaction: Synthesis, characterization, crystal structure and solution studies**  
Fatemeh Ghasemi, Khaled Ghasemi, Ali Reza Rezvani, Ardeshir Shokrollahi, Masoud Refahi, Santiago García-Granda, Rafael Mendoza-Meroño, Journal of Molecular Structure, 1131, 2017, 30-35
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- ۲۳ **Synthesis of high-surface-area spinel-type MgAl<sub>2</sub>O<sub>4</sub> nanoparticles by [Al(sal)<sub>2</sub>(H<sub>2</sub>O)<sub>2</sub>]<sub>2</sub> [Mg(dipic)<sub>2</sub>] and [Mg(H<sub>2</sub>O)<sub>6</sub>][Al(ox)<sub>2</sub>(H<sub>2</sub>O)<sub>2</sub>]<sub>2</sub>·5H<sub>2</sub>O: influence of inorganic precursor type**  
A Miroliaee, A Salehirad, AR Rezvani, Bulletin of Materials Science, 40 (1), 45-53
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- ۲۴ **Synthesis of high-surface-area spinel-type MgAlO nanoparticles by [Al(sal)(HO)][Mg(dipic)] and [Mg(HO)][Al(ox)(HO)]·5HO: influence of inorganic precursor type**  
A MIROLIAEE, A SALEHIRAD, ALI REZVANI, Bulletin of Materials Science 40 (1)
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- ۲۵ **Ultrasound irradiation effect on morphology and size of two new potassium coordination supramolecule compounds**  
P Hayati, AR Rezvani, A Morsali, P Retailleau, Ultrasonics sonochemistry, 34, 195-205
- 
- ۲۶ **A novel coordination polymer of Ni(II) based on 1,3,5-benzenetricarboxylic acid synthesis, characterization, crystal structure, thermal study, and luminescent properties**  
S Saheli, A Rezvani Journal of Molecular Structure 1127, 583-589
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- ۲۷ **Influences of temperature, power ultrasound and reaction time on the morphological properties of two new mercury (II) coordination supramolecular compounds**  
P Hayati, AR Rezvani, A Morsali, P Retailleau, S García-Granda, Ultrasonics sonochemistry 34, 968-977
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- ۲۸ **Synthesis of a new five-coordinate ternary copper (II) complex: crystal structure and spectral studies**  
AR Rezvani, H Janani, F Rostami-Charati, BW Skelton, BULGARIAN CHEMICAL
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- ۳۹ **Synthesis of europium oxide-promoted Pd catalyst by an improved impregnation method as a high performance catalyst for the ethanol oxidation reaction**  
N Alfi, AR Rezvani, M Khorasani-Motlagh, M Noroozifar, New Journal of Chemistry 41 (19), 10652-10658
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- ۳۰ **Crystal Structure, Thermal Behavior and Magnetic Properties of a Novel Polymer [Ni(dipic)<sub>2</sub>Mn(O)<sub>2</sub>]<sub>n</sub> Synthesized by Reflux and Sonochemistry**  
Z Razmara, AR Rezvani, H Saravani, Journal of Inorganic and Organometallic Polymers and Materials 26 (5), 943-949
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- ۳۱ **Mn(II) and Zn(II) ions catalytic oxidation of o-phenylenediamine and characterization, X-ray crystal structure and solution study of the final products DAPH<sup>+</sup>Cl<sup>-</sup>·3H<sub>2</sub>O and [DAPH][Zn(dipicH)(dipic)]·4H<sub>2</sub>O**  
Khaled Ghasemi, Fatemeh Ghasemi, Ali Reza Rezvani, Ardeshir Shokrollahi, Masoud Refahi, Santiago García-Granda, Rafael Mendoza-Meroño, Polyhedron, 110, 2016, 55-62
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- ۳۲ **Preparation and characterization of a new cobalt hydrazone complex and its catalytic activity in the hydrogenation of carbon monoxide (Fischer–Tropsch synthesis)**  
H Janani, AR Rezvani, GH Grivani, AA Mirzaei, Reaction Kinetics, Mechanisms and Catalysis 117 (1), 189-203
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- ۳۳ **Piperazine as counter ion for insulin-enhancing anions [VO<sub>2</sub>(dipic-OH)]<sup>-</sup>: Synthesis, characterization and X-ray crystal structure**  
F Ghasemi, K Ghasemi, AR Rezvani, C Graiff, Journal of Molecular Structure 1103, 20-24
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- ۳۴ **Synthesize and crystal structure of a novel complex [Co(dipic)<sub>2</sub>Mn]OH<sub>2</sub>(5)·2H<sub>2</sub>O prepared by different methods**  
Z Razmara, AR Rezvani, H Saravani
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- ۳۵ **REVIEW ON DISTRIBUTION NETWORK PROTECTION TECHNIQUES WITH DISTRIBUTED GENERATION AND PROVIDE A SOLUTION FOR IRAN'S DISTRIBUTION NETWORK,**  
SAJJAD DADFAR, ALIREZA REZVANI, KAZEM EMDADI, ENERGY AND ECONOMIC FORUM Date: 2016, Volume 4
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- ۳۶ **Synthesize and crystal structure of a novel complex [Co(dipic)<sub>2</sub>Mn]OH<sub>2</sub>(5) center dot 2H (2) O prepared by different methods**  
Z Razmara, AR Rezvani, H Saravani, BULGARIAN CHEMICAL COMMUNICATIONS
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- ۳۷ **Potential antidiabetic drugs of metformin with insulin-enhancing anions [VO<sub>2</sub>(dipic)]<sup>-</sup> and [VO<sub>2</sub>(dipic-OH)]<sup>-</sup>: Synthesis, characterization and X-ray crystal structure**

K Ghasemi, F Ghasemi, AR Rezvani, C Graiff, B Notash, Polyhedron 102, 239-245

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- ۳۸ **An experimental and theoretical study of a hydrogen-bonded complex: O-phenylenediamine with 2, 6-pyridinedicarboxylic acid**

Khaled Ghasemi, Ali Reza Rezvani, Sayyed Mostafa Habibi-Khorassani, Mehdi Shahraki, Ardeshir Shokrollahi, Abolghasem Moghimi, Halimeh Kord Tamandani, Sara Gavahi, Journal of Molecular Structure 1100,2015, 597-604

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- ۳۹ **Inorganic complex precursor route for preparation of high-temperature Fischer-Tropsch synthesis Ni-Co nanocatalysts**

J Farzanfar, AR Rezvani, Research on Chemical Intermediates 41 (11), 8975-9001

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- ۴۰ **Computational study for the ylide isomers from the reaction between triphenylphosphine and dialkyl acetylenedicarboxylates in the presence of 6-chloro-2-benzoxazolethiol**

A Paknahad, SMH Khorassani, M Shahraki, A Rezvani, MA Fard Arabian Journal of Chemistry 8 (6), 885-891

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- ۴۱ **Copper(II) ion catalytic oxidation of o-phenylenediamine and characterization, X-ray crystal structure and solution studies of the final product [DAPH][H<sub>3</sub>O][Cu(dipic)<sub>2</sub>].3H<sub>2</sub>O**

Khaled Ghasemi, Ali Reza Rezvani, Ardeshir Shokrollahi, Ibrahim Abdul Razak, Masoud Refahi, Abolghasem Moghimi, Mohd Mustaqim Rosli, Journal of Molecular Structure 1096, 102-109

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- ۴۲ **Fischer-Tropsch Synthesis of Hydrocarbons over New Co/Ce Bimetallic Catalysts Derived from Dipicolinate and Carbonyl Metal Complexes**

H Janani, AR Rezvani, GH Grivani, AA Mirzaei, Journal of Inorganic and Organometallic Polymers and Materials 25 (5), 1169-1182

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- ۴۳ **Synthesis, characterization, X-ray crystal structure, DFT calculation and antibacterial activities of new vanadium(IV, V) complexes containing chelidamic acid and novel thiourea derivatives**

Javad Farzanfar, Khaled Ghasemi, Ali Reza Rezvani, Hojat Samareh Delarami, Ali Ebrahimi, Hona Hosseinpoor, Amir Eskandari, Hadi Amiri Rudbari, Giuseppe Bruno,

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- ۴۴ **Synthesis, characterization, crystal structure and solution studies of a novel proton transfer (charge transfer) complex of 2,2'-dipyridylamine with 2,6-pyridine dicarboxylic acid**

Khaled Ghasemi, Ali Reza Rezvani, Ardeshir Shokrollahi, Fereshteh Zarghampour, Abolghasem Moghimi, Santiago García-Granda, Rafael Mendoza-Meroño, Journal of Molecular Structure 1089, 184-190

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- ۴۵ **Synthesis, characterization, and crystal structure of new four-coordinated cobalt (II) complexes containing phenanthroline derivatives**

N Akbarzadeh-T, A Rezvani, H Saravani, T Kondori, V Amani, HR Khavasi, Research on Chemical Intermediates 41 (3), 1247-1256

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- ۴۶ **Study of a Mn–Cr/TiO<sub>2</sub> mixed oxide nanocatalyst prepared via an inorganic precursor complex for high-temperature water–gas shift reaction**

J Farzanfar, AR Rezvani, Comptes Rendus Chimie 18 (2), 178-186

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- ۴۷ **Ion-pair complex precursor approach to fabricate high surface area nanopowders of MgAl<sub>2</sub>O<sub>4</sub> spinel**

A Miroliaee, A Salehirad, AR Rezvani, Materials Chemistry and Physics 151, 312-317

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- ۴۸ **The Antibacterial Activity of SnO<sub>2</sub> Nanoparticles against *Escherichia coli* and *Staphylococcus aureus***

Seyedeh Matin Amininezhad, Alireza Rezvani, Mehdi Amouheidari, Sayed Mohamad Amininejad, Sajjad Rakhshani, Zahedan J Res Med Sci. 2015; 17(9):e1053

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- ۴۹ **Synthesis and characterization of new nanostructure complex [Co(dipic)<sub>2</sub>Ni(OH<sub>2</sub>)<sub>6</sub>] as a precursor for the synthesis of NiCo<sub>2</sub>O<sub>4</sub> nanoparticles**

Z Razmara, AR Rezvani, H Saravani, J Chem Pharm Res 7 (12), 170

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- ۵۰ **A proton transfer and a cobalt(II) compound including 2,6-pyridinedicarboxylate and o-phenylenediamine ions: Synthesis, characterization, crystal structure and solution study**

Khaled Ghasemi, Ali R Rezvani, Ardeshir Shokrollahi, Abolghasem Moghimi, Sara Gavahi, Santiago García-Granda, Rafael Mendoza-Meroño, Comptes Rendus Chimie, 17, 2014, 1221-1229

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- ۵۱ **Potential antidiabetic drug involving a zinc anionic complex of dipic and metformin as counter ions: Synthesis, characterization, crystal structure and electrochemical**
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- studies**  
K Ghasemi, AR Rezvani, MM Rosli, IA Razak, A Moghimi, F Ghasemi Journal of Molecular Structure, 1074, 79-84
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(ب) مقالات علمی-پژوهشی و کنفرانسی

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