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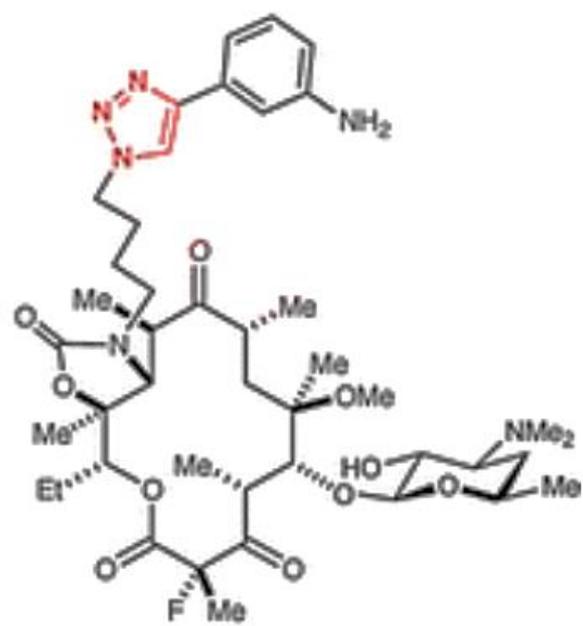
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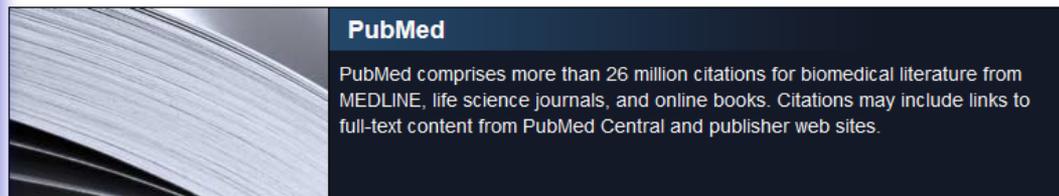
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Solithromycin inhibition of protein **synthesis** and ribosome biogenesis in *Staphylococcus aureus*, *Streptococcus pneumoniae*, and *Haemophilus influenzae*

W Rodgers, AD Frazier... - *Antimicrobial agents and ...*, 2013 - *Am Soc Microbiol*

ABSTRACT The continuing increase in antibiotic-resistant microorganisms is driving the search for new antibiotic targets and improved antimicrobial agents. Ketolides are semisynthetic derivatives of macrolide antibiotics, which are effective against certain ...

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Synthesis and antibacterial activity of desosamine-modified macrolide derivatives

N LeTourneau, P Vimal, D Klepacki, A Mankin... - *Bioorganic & medicinal ...*, 2012 - Elsevier

... Structural factors behind erm macrolide resistance were studied through **synthesis** of new macrolide ... **Synthesized** compounds with 2'-deoxy and 3'-desmethyl desosamine rings demonstrated decreased ... such as telithromycin 3 2d, cethromycin 4 2e, and **solithromycin** 5 2f ...

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In vitro and in vivo activity of **solithromycin** (CEM-101) against *Plasmodium* species

S Wittlin, E Ekland, JC Craft, J Lotharius... - *Antimicrobial agents ...*, 2012 - *Am Soc Microbiol*

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... Therefore, the pikromycin- CEM-101 (4) was **synthesized** and MICs determined.

Pikromycin-CEM-101 (4) is structurally similar to **solithromycin** with the exception of the absence of the 6-methoxy and the C-10 methyl groups. The **synthesis** of pikromycin-CEM-101 starting ...

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Author Name

- Fernandes, P. (2)
- Andrade, R.B. (1)
- Arenz, S. (1)
- Beckmann, R. (1)
- Berninghausen, O. (1)

Subject Area

- Pharmacology, Toxicology and Pharmaceutics (10)
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Ribosome-Templated Azide-Alkyne Cycloadditions: Synthesis of Potent Macrolide Antibiotics by in Situ Click Chemistry
 Glassford, I., Teijaro, C.N., Daher, S.S., (...), Cooperman, B.S., Andrade, R.B. 2016 Journal of the American Chemical Society

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Endless resistance. Endless antibiotics?
 Fisher, J.F., Mobashery, S. 2016 MedChemComm

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Molecular basis for erythromycin-dependent ribosome stalling during translation of the ErmBL leader peptide
 Arenz, S., Ramu, H., Gupta, P., (...), Mankin, A.S., Wilson, D.N. 2014 Nature Communications

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Antimicrobial activity of solithromycin against clinical isolates of Legionella pneumophila serogroup 1
 Mallegol, J., Fernandes, P., Melano, R.G., Guyarda, C. 2014 Antimicrobial Agents and Chemotherapy

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Progress in the discovery of treatments for C. difficile infection: A clinical and medicinal chemistry review
 Tsutsumi, L.S., Owusu, Y.B., Hurdle, J.G., Sun, D. 2014 Current Topics in Medicinal Chemistry

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Are we facing a post-antibiotic future in surgery?
 Cerwenka, H., Krause, R. 2014 European Surgery - Acta Chirurgica Austriaca

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 [Ribosome-Templated Azide-Alkyne Cycloadditions: **Synthesis** of Potent Macrolide Antibiotics by In Situ Click Chemistry.](#)

2. Glassford I, Teijaro CN, Daher SS, Weil A, Small MC, Redhu SK, Colussi DJ, Jacobson MA, Childers WE, Buttaro B, Nicholson AW, MacKerell AD Jr, Cooperman BS, Andrade RB. *J Am Chem Soc*. 2016 Mar 9;138(9):3136-44. doi: 10.1021/jacs.5b13008. Epub 2016 Feb 26. PMID: 26878192
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 [In vitro activity of **solithromycin** and its metabolites, CEM-214 and N-acetyl-**CEM-101**, against 100 clinical *Ureaplasma spp.* isolates compared with azithromycin.](#)

3. Furfaro LL, Spiller OB, Keelan JA, Payne MS. *Int J Antimicrob Agents*. 2015 Sep;46(3):319-24. doi: 10.1016/j.ijantimicag.2015.04.015. Epub 2015 Jun 19. PMID: 26141231
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1. **A platform for the discovery of new macrolide antibiotics**

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By Seiple, Ian B.; Zhang, Ziyang; Jakubec, Pavol; Langlois-Mercier, Audrey; Wright, Peter M.; Hog, Daniel T.; Yabu, Kazuo; Allu, Senkara Rao; Fukuzaki, Takehiro; Carlsen, Peter N.; et al

From Nature (London, United Kingdom) (2016), 533(7603), 338-345. | Language: English, Database: CAPLUS

The chem. modification of structurally complex fermn. products, a process known as semisynthesis, has been an important tool in the discovery and manuf. of antibiotics for the treatment of various infectious diseases. However, many of the therapeutics obtained in this way are no longer effective, because bacterial resistance to these compds. has developed. Here we present a practical, fully **synthetic** route to macrolide antibiotics by the convergent assembly of simple chem. building blocks, enabling the **synthesis** of diverse structures not accessible by traditional semisynthetic approaches. M...

2. **Process for preparation of Solithromycin intermediates**

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By Zheng, Fei; Xu, Hui; Zhang, Tao; Huang, Yue

From Faming Zhuanli Shenqing (2016), CN 105503976 A 20160420. | Language: Chinese, Database: CAPLUS

The invention discloses a method for **prepg. Solithromycin** and intermediates I [wherein R² = NH₂, protected amino group, or NO₂]. The process effectively reduces side reactions, avoids dangerous and toxic operation, and increases reaction conversion ratio.

3. **Preparation of 14-membered ketolide macrolide aminoglycosides via coupling and macrocyclization reactions as antibacterial and antiinflammatory agents**

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By Myers, Andrew G.; Seiple, Ian Bass; Zhang, Ziyang

From PCT Int. Appl. (2016), WO 2016057798 A1 20160414. | Language: English, Database: CAPLUS



14-Membered ketolides I, wherein Z is ketone, alkoxyalkyl; L³ is alkoxyalkyl, alkyl, alkenyl; R³ is H, halogen, carbonyl, alkyl, alkenyl, alkynyl, carbocycdyl, heterocycdyl, aryl, heteroaryl; R⁴ is H, OR²; R² is H, alkyl, alkenyl, alkynyl, carbocycdyl, heterocycdyl, aryl, heteroaryl, oxygen protecting group; each of R^{5a} and R^{5b} is independently H, halogen, silyl, alkyl, carbocycdyl, heterocycdyl; R⁵ is H, alkyl, alkenyl, alkynyl, carbocycdyl, heterocycdyl, aryl, aralkyl, heteroaryl, heteroalkyl, hydroxyl, substituted hydroxyl, thiol, substituted thiol, amino, substituted amino, carbonyl, sil...

4. **Process for preparation of Solithromycin from Clarithromycin**

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By Xu, Hui; Zheng, Fei; Zhang, Tao; Huang, Yue

From Faming Zhuanli Shenqing (2016), CN 105348341 A 20160224. | Language: Chinese, Database: CAPLUS

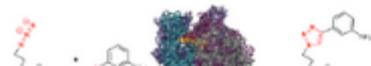
The present invention discloses a method for **prepg. Solithromycin** from from Clarithromycin comprising sulfonation, azidation, fluorination, cyclization, and deprotection. The process effectively reduces the occurrence of side effects, avoid dangerous and poisonous operation steps, improve the reaction conversion ratio, thus reduce prodn. cost.

5. **Ribosome-Templated Azide-Alkyne Cycloadditions: Synthesis of Potent Macrolide Antibiotics by In Situ Click Chemistry**

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By Glassford, Ian; Tejjaro, Christiana N.; Daher, Samer S.; Weil, Amy; Small, Meagan C.; Redhu, Shiv K.; Colussi, Dennis J.; Jacobson, Marlene A.; Childers, Wayne E.; Buttarro, Bettina; et al

From Journal of the American Chemical Society (2016), 138(9), 3136-3144. | Language: English, Database: CAPLUS



Over half of all antibiotics target the bacterial ribosome-nature's complex, 2.5 MDa nanomachine responsible for decoding mRNA and **synthesizing** proteins. Macrolide antibiotics, exemplified by erythromycin, bind the 50S subunit with nM affinity and inhibit protein **synthesis** by blocking the

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- (MDPI)
- (*Beilstein Institute*)

- Impact factor

- >20 wow! Ma di solito molto generico (*Nature...*)
- >10 wow! (*Angew. Chem, JACS*)
- 5-10 ottimo
- <3... poco influente...

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<input type="checkbox"/>	33	PROGRESS IN SOLID STATE CHEMISTRY	1,994	9.313	0.00100
<input type="checkbox"/>	34	Chemical Science	35,721	9.063	0.12400
<input type="checkbox"/>	35	PROGRESS IN SURFACE SCIENCE	2,004	9.000	0.00200
<input type="checkbox"/>	36	npj Computational Materials	355	8.941	0.00200
<input type="checkbox"/>	37	Wiley Interdisciplinary Reviews-Computational Molecular Science	4,131	8.836	0.01500
<input type="checkbox"/>	38	Annual Review of Analytical Chemistry	2,100	8.756	0.00500
<input type="checkbox"/>	39	ALDRICHIMICA ACTA	846	8.727	0.00100
<input type="checkbox"/>	40	Journal of Physical Chemistry Letters	39,275	8.709	0.13300

<input type="checkbox"/>	41	Acta Crystallographica Section C-Structural Chemistry	7,598	8.678	0.00900
<input type="checkbox"/>	42	GREEN CHEMISTRY	38,174	8.586	0.05700
<input type="checkbox"/>	43	MEDICINAL RESEARCH REVIEWS	4,174	8.290	0.00500
<input type="checkbox"/>	44	BIOSENSORS & BIOELECTRONICS	48,853	8.173	0.06900
<input type="checkbox"/>	45	Nano Research	12,540	7.994	0.02600
<input type="checkbox"/>	46	Acta Crystallographica A-Foundation and Advances	13,267	7.930	0.00500
<input type="checkbox"/>	47	JOURNAL OF CONTROLLED RELEASE	46,215	7.877	0.05800
<input type="checkbox"/>	48	Annual Review of Chemical and Biomolecular Engineering	1,476	7.674	0.00400
<input type="checkbox"/>	49	ChemSusChem	19,946	7.411	0.04300
<input type="checkbox"/>	50	ADVANCES IN COLLOID AND INTERFACE SCIENCE	12,918	7.346	0.01200

		Full Journal Title	Total Cites	Journal Impact Factor 	Eigenfactor Score
<input type="checkbox"/>	51	Advances in Catalysis	1,480	7.250	0.00000
<input type="checkbox"/>	52	Nanoscale	78,446	7.233	0.20700
<input type="checkbox"/>	53	CARBON	66,865	7.082	0.08500
<input type="checkbox"/>	54	TRAC-TRENDS IN ANALYTICAL CHEMISTRY	13,519	7.030	0.02000
<input type="checkbox"/>	55	JOURNAL OF POWER SOURCES	113,385	6.945	0.14100
<input type="checkbox"/>	56	JOURNAL OF CATALYSIS	45,347	6.759	0.03400
<input type="checkbox"/>	57	CATALYSIS REVIEWS-SCIENCE AND ENGINEERING	3,208	6.600	0.00100
<input type="checkbox"/>	58	IUCrJ	1,189	6.544	0.00600
<input type="checkbox"/>	59	ORGANIC LETTERS	95,762	6.492	0.15000
<input type="checkbox"/>	60	Acta Crystallographica Section B-Structural Science Crystal Engineering and Materials	11,143	6.467	0.00600

<input type="checkbox"/>	61	CHEMICAL COMMUNICATIONS	190,160	6.290	0.33300
<input type="checkbox"/>	62	JOURNAL OF MEDICINAL CHEMISTRY	69,725	6.253	0.08100
<input type="checkbox"/>	63	ACS Sustainable Chemistry & Engineering	12,770	6.140	0.02800
<input type="checkbox"/>	64	Environmental Science-Nano	1,882	6.087	0.00400
<input type="checkbox"/>	65	ANALYTICAL CHEMISTRY	123,665	6.042	0.15300
<input type="checkbox"/>	66	ULTRASONICS SONOCHEMISTRY	14,026	6.012	0.01400
<input type="checkbox"/>	67	PROGRESS IN NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY	2,769	6.000	0.00400
<input type="checkbox"/>	68	LAB ON A CHIP	29,513	5.995	0.05100
<input type="checkbox"/>	69	CURRENT OPINION IN COLLOID & INTERFACE SCIENCE	6,919	5.785	0.00700
<input type="checkbox"/>	70	BIOMACROMOLECULES	36,807	5.738	0.04100

<input type="checkbox"/>	71	ACS Sensors	1,409	5.711	0.00400
<input type="checkbox"/>	72	MICROCHIMICA ACTA	10,258	5.705	0.01100
<input type="checkbox"/>	73	SENSORS AND ACTUATORS B-CHEMICAL	65,518	5.667	0.07600
<input type="checkbox"/>	74	Topics in Current Chemistry	6,184	5.537	0.01200
<input type="checkbox"/>	75	Journal of CO2 Utilization	1,686	5.503	0.00300
<input type="checkbox"/>	76	Organic Chemistry Frontiers	3,810	5.455	0.01100
<input type="checkbox"/>	77	Journal of Chemical Theory and Computation	27,284	5.399	0.06800
<input type="checkbox"/>	78	Catalysis Science & Technology	15,461	5.365	0.03800
<input type="checkbox"/>	79	PURE AND APPLIED CHEMISTRY	14,326	5.294	0.00800
<input type="checkbox"/>	80	CHEMISTRY-A EUROPEAN JOURNAL	93,574	5.160	0.18300

<input type="checkbox"/>	81	CARBOHYDRATE POLYMERS	53,857	5.158	0.06400
<input type="checkbox"/>	82	ADVANCED SYNTHESIS & CATALYSIS	21,445	5.123	0.03500
<input type="checkbox"/>	82	ANALYTICA CHIMICA ACTA	45,802	5.123	0.04600
<input type="checkbox"/>	84	Inorganic Chemistry Frontiers	2,147	5.106	0.00500
<input type="checkbox"/>	85	JOURNAL OF COLLOID AND INTERFACE SCIENCE	64,119	5.091	0.04600
<input type="checkbox"/>	86	FOOD HYDROCOLLOIDS	18,877	5.089	0.02300
<input type="checkbox"/>	87	FOOD CHEMISTRY	90,665	4.946	0.10100
<input type="checkbox"/>	88	Advances in Organometallic Chemistry	828	4.944	0.00100
<input type="checkbox"/>	89	CHEMICAL RECORD	2,657	4.891	0.00600

		Full Journal Title	Total Cites	Journal Impact Factor 	Eigenfactor Score
<input type="checkbox"/>	90	JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY	12,666	4.841	0.02200
<input type="checkbox"/>	91	Advanced Materials Interfaces	4,172	4.834	0.01300
<input type="checkbox"/>	92	EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY	31,802	4.816	0.03800
<input type="checkbox"/>	93	JOURNAL OF ORGANIC CHEMISTRY	100,091	4.805	0.09100
<input type="checkbox"/>	94	INORGANIC CHEMISTRY	92,336	4.700	0.10200
<input type="checkbox"/>	95	ChemCatChem	13,109	4.674	0.03100
<input type="checkbox"/>	96	CATALYSIS TODAY	34,012	4.667	0.03000
<input type="checkbox"/>	97	Reaction Chemistry & Engineering	378	4.641	0.00100
<input type="checkbox"/>	98	APPLIED CATALYSIS A: GENERAL	38,220	4.521	0.02800
<input type="checkbox"/>	99	JOURNAL OF MOLECULAR LIQUIDS	16,597	4.513	0.02400

<input type="checkbox"/>	100	BIOCONJUGATE CHEMISTRY	15,194	4.485	0.02200
<input type="checkbox"/>	101	Journal of Physical Chemistry C	142,502	4.484	0.24800
<input type="checkbox"/>	102	Trends in Environmental Analytical Chemistry	173	4.462	0.00100
<input type="checkbox"/>	103	Science China-Chemistry	4,228	4.448	0.00800
<input type="checkbox"/>	104	APPLIED SURFACE SCIENCE	76,301	4.439	0.09700
<input type="checkbox"/>	105	JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL	21,041	4.397	0.01600
<input type="checkbox"/>	106	PARTICLE & PARTICLE SYSTEMS CHARACTERIZATION	2,826	4.384	0.00600
<input type="checkbox"/>	107	Marine Drugs	8,753	4.379	0.01600
<input type="checkbox"/>	108	ACS Infectious Diseases	749	4.325	0.00300
<input type="checkbox"/>	109	TALANTA	37,747	4.244	0.04400
<input type="checkbox"/>	110	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	75,123	4.229	0.08100

<input type="checkbox"/>	111	SEPARATION AND PURIFICATION REVIEWS	675	4.212	0.00100
<input type="checkbox"/>	112	ACS Chemical Neuroscience	4,336	4.211	0.01300
<input type="checkbox"/>	113	Frontiers in Chemistry	1,183	4.155	0.00400
<input type="checkbox"/>	114	DALTON TRANSACTIONS	67,778	4.099	0.10400
<input type="checkbox"/>	115	Liquid Crystals Reviews	133	4.091	0.00100
<input type="checkbox"/>	116	Journal of Ginseng Research	1,364	4.053	0.00200
<input type="checkbox"/>	117	ORGANOMETALLICS	40,867	4.051	0.04600
<input type="checkbox"/>	118	COLLOIDS AND SURFACES B-BIOINTERFACES	25,844	3.997	0.03500
<input type="checkbox"/>	119	RUSSIAN CHEMICAL REVIEWS	4,119	3.991	0.00300
<input type="checkbox"/>	120	CRYSTAL GROWTH & DESIGN	28,165	3.972	0.04000
<input type="checkbox"/>	121	Future Medicinal Chemistry	3,456	3.969	0.00900

		Full Journal Title	Total Cites	Journal Impact Factor 	Eigenfactor Score
<input type="checkbox"/>	121	Structural Dynamics	540	3.969	0.00300
<input type="checkbox"/>	123	FUEL PROCESSING TECHNOLOGY	17,840	3.956	0.02300
<input type="checkbox"/>	124	Reviews in Computational Chemistry	506	3.933	0.00000
<input type="checkbox"/>	125	BIOORGANIC CHEMISTRY	2,123	3.929	0.00300
<input type="checkbox"/>	126	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	20,621	3.909	0.03000
<input type="checkbox"/>	127	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	95,774	3.906	0.20600
<input type="checkbox"/>	128	Journal of Cheminformatics	2,117	3.893	0.00600
<input type="checkbox"/>	129	Journal of Energy Chemistry	1,871	3.886	0.00400

		Full Journal Title	Total Cites	Journal Impact Factor 	Eigenfactor Score
<input type="checkbox"/>	130	JOURNAL OF NATURAL PRODUCTS	24,905	3.885	0.02300
<input type="checkbox"/>	131	ANALYST	28,767	3.864	0.04700
<input type="checkbox"/>	132	Topics in Organometallic Chemistry	1,642	3.833	0.00400
<input type="checkbox"/>	133	Journal of Chemical Information and Modeling	14,366	3.804	0.02000
<input type="checkbox"/>	134	ACS Medicinal Chemistry Letters	4,851	3.794	0.01500
<input type="checkbox"/>	135	LANGMUIR	118,255	3.789	0.11900
<input type="checkbox"/>	136	JOURNAL OF ALLOYS AND COMPOUNDS	84,802	3.779	0.10600
<input type="checkbox"/>	137	DYES AND PIGMENTS	14,560	3.767	0.01500
<input type="checkbox"/>	138	JOURNAL OF CHROMATOGRAPHY A	61,361	3.716	0.05100

		Full Journal Title	Total Cites	Journal Impact Factor 	Eigenfactor Score
<input type="checkbox"/>		CHROMATOGRAPHY A			
<input type="checkbox"/>	139	Soft Matter	35,376	3.709	0.08400
<input type="checkbox"/>	140	Chemistry-An Asian Journal	10,936	3.692	0.02200
<input type="checkbox"/>	141	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	37,071	3.687	0.09300
<input type="checkbox"/>	142	MICROPOROUS AND MESOPOROUS MATERIALS	22,438	3.649	0.02600
<input type="checkbox"/>	143	APPLIED CLAY SCIENCE	13,193	3.641	0.01300
<input type="checkbox"/>	144	JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY	4,162	3.638	0.00600
<input type="checkbox"/>	145	PHYTOMEDICINE	8,972	3.610	0.00900

<input type="checkbox"/>	146	JOURNAL OF ANALYTICAL ATOMIC SPECTROMETRY	9,217	3.608	0.01100
<input type="checkbox"/>	147	ORGANIC PROCESS RESEARCH & DEVELOPMENT	6,475	3.584	0.01000
<input type="checkbox"/>	148	APPLIED ORGANOMETALLIC CHEMISTRY	3,891	3.581	0.00300
<input type="checkbox"/>	149	ACTA PHARMACOLOGICA SINICA	8,041	3.562	0.01000
<input type="checkbox"/>	150	BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN	10,941	3.526	0.00600
<input type="checkbox"/>	151	CHINESE JOURNAL OF CATALYSIS	4,608	3.525	0.00700
<input type="checkbox"/>	152	JOURNAL OF PHYSICAL AND CHEMICAL REFERENCE DATA	7,434	3.510	0.00200
<input type="checkbox"/>	153	ACS Combinatorial Science	1,668	3.500	0.00400
<input type="checkbox"/>	154	CURRENT MEDICINAL CHEMISTRY	15,405	3.469	0.01800

<input type="checkbox"/>	155	JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS	11,759	3.468	0.01300
<input type="checkbox"/>	156	Catalysts	1,995	3.465	0.00400
<input type="checkbox"/>	157	CATALYSIS COMMUNICATIONS	14,174	3.463	0.01500
<input type="checkbox"/>	158	CHEMICAL RESEARCH IN TOXICOLOGY	12,692	3.432	0.01300
<input type="checkbox"/>	159	Advances in Carbohydrate Chemistry and Biochemistry	621	3.429	0.00000

		Full Journal Title	Total Cites	Journal Impact Factor ▼	Eigenfactor Score
<input type="checkbox"/>	160	FARADAY DISCUSSIONS	9,070	3.427	0.01900
<input type="checkbox"/>	161	ORGANIC & BIOMOLECULAR CHEMISTRY	30,329	3.423	0.05800
<input type="checkbox"/>	162	JOURNAL OF APPLIED CRYSTALLOGRAPHY	25,526	3.422	0.02000
<input type="checkbox"/>	163	INTERMETALLICS	8,988	3.420	0.01100
<input type="checkbox"/>	164	JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY	103,329	3.412	0.07400
<input type="checkbox"/>	165	CURRENT TOPICS IN MEDICINAL CHEMISTRY	6,432	3.374	0.01000
<input type="checkbox"/>	166	Green Chemistry Letters and Reviews	658	3.364	0.00100
<input type="checkbox"/>	167	PHYTOTHERAPY RESEARCH	12,203	3.349	0.01000
<input type="checkbox"/>	168	MARINE CHEMISTRY	9,014	3.337	0.00800

		Full Journal Title	Total Cites	Journal Impact Factor 	Eigenfactor Score
<input type="checkbox"/>	169	PHARMACEUTICAL RESEARCH	21,071	3.335	0.01400
<input type="checkbox"/>	170	ANALYTICAL AND BIOANALYTICAL CHEMISTRY	28,970	3.307	0.04200
<input type="checkbox"/>	171	CRYSTENGGCOMM	27,544	3.304	0.04900
<input type="checkbox"/>	172	JOURNAL OF ELECTROANALYTICAL CHEMISTRY	25,100	3.235	0.01500
<input type="checkbox"/>	173	CRITICAL REVIEWS IN ANALYTICAL CHEMISTRY	1,131	3.231	0.00100
<input type="checkbox"/>	174	JOURNAL OF COMPUTATIONAL CHEMISTRY	34,677	3.221	0.02200
<input type="checkbox"/>	175	ChemPlusChem	2,692	3.205	0.00700
<input type="checkbox"/>	176	NEW JOURNAL OF CHEMISTRY	20,421	3.201	0.03100
<input type="checkbox"/>	177	ChemNanoMat	761	3.173	0.00200

<input type="checkbox"/>	178	JOURNAL OF PHYSICAL CHEMISTRY B	113,923	3.146	0.09500
<input type="checkbox"/>	179	Environmental Chemistry Letters	2,039	3.125	0.00200
<input type="checkbox"/>	180	JOURNAL OF SUPERCRITICAL FLUIDS	9,309	3.122	0.01000
<input type="checkbox"/>	181	JOURNAL OF ETHNOPHARMACOLOGY	32,891	3.115	0.02900
<input type="checkbox"/>	182	MOLECULES	31,047	3.098	0.05600
<input type="checkbox"/>	183	CATALYSIS SURVEYS FROM ASIA	725	3.081	0.00100
<input type="checkbox"/>	184	JOURNAL OF PHARMACEUTICAL SCIENCES	23,383	3.075	0.01800
<input type="checkbox"/>	185	Advances in Heterocyclic Chemistry	916	3.071	0.00100

<input type="checkbox"/>	185	Advances in Heterocyclic Chemistry	916	3.071	0.00100
<input type="checkbox"/>	186	JOURNAL OF INORGANIC BIOCHEMISTRY	11,223	3.063	0.01000
<input type="checkbox"/>	187	ChemMedChem	5,940	3.009	0.01200
<input type="checkbox"/>	188	Drug Testing and Analysis	2,606	2.993	0.00500
<input type="checkbox"/>	188	Journal of Biobased Materials and Bioenergy	953	2.993	0.00100
<input type="checkbox"/>	190	REACTIVE & FUNCTIONAL POLYMERS	5,944	2.975	0.00600
<input type="checkbox"/>	191	Arabian Journal of Chemistry	4,266	2.969	0.00600
<input type="checkbox"/>	192	JOURNAL OF FOOD COMPOSITION AND	6,398	2.956	0.00600