Janez Kosmrlj

List of Publications by Year in Descending Order

94 papers	1,911 citations	27 h-index	38 g-index
112 ext. papers	2,135 ext. citations	4.2 avg, IF	4.84 L-index

#	Paper	IF	Citations
94	Database Independent Automated Structure Elucidation of Organic Molecules Based on IR, H NMR, C NMR, and MS Data. *Journal of Chemical Information and Modeling*, **2021**, 61, 756-763	6.1	2
93	A convenient approach to arenediazonium tosylates. *Dyes and Pigments*, **2021**, 184, 108726	4.6	2
92	Catalytic Approach to Diverse β-Aminoboronic Acid Derivatives by Iridium-Catalyzed Hydrogenation of Trifluoroborate-Iminiums. *Advanced Synthesis and Catalysis*, **2021**, 363, 2396-2402	5.6	1
91	Designing Homogeneous Copper-Free Sonogashira Reaction through a Prism of Pd-Pd Transmetalation. *Organic Letters*, **2020**, 22, 4938-4943	6.2	14
90	Pyridine Wingtip in [Pd(Py-NHC)] Complex Is a Proton Shuttle in the Catalytic Hydroamination of Alkynes. *Organic Letters*, **2020**, 22, 2157-2161	6.2	8
89	Arylation of Click Triazoles with Diaryliodonium Salts. *Journal of Organic Chemistry*, **2019**, 84, 14030-14044	4.2	7
88	H- N HMBC NMR as a tool for rapid identification of isomeric azaindoles: The case of 5F-MDMB-P7AICA. *Drug Testing and Analysis*, **2019**, 11, 617-625	3.5	4
87	The Value of In Vitro Binding as Predictor of In Vivo Results: A Case for [F]FDDNP PET. *Molecular Imaging and Biology*, **2019**, 21, 25-34	3.8	7
86	Half-Sandwich Ir(III) and Os(II) Complexes of Pyridyl-Mesoionic Carbenes as Potential Anticancer Agents. *Organometallics*, **2019**, 38, 4082-4092	3.8	11
85	Polynuclear oxomolybdates(VI): Products of inadvertent oxidation of molybdenum(V) species. *Inorganica Chimica Acta*, **2019**, 486, 766-775	2.7	2
84	En Route to 2-(Cyclobuten-1-yl)-3-(trifluoromethyl)-1H-indole. *Journal of Organic Chemistry*, **2018**, 83, 2486-2493	4.2	5
83	Systematic Evaluation of 2-Arylazocarboxylates and 2-Arylazocarboxamides as Mitsunobu Reagents. *Journal of Organic Chemistry*, **2018**, 83, 4712-4729	4.2	12
82	Synthesis and in vitro investigation of halogenated 1,3-bis(4-nitrophenyl)triazenide salts as antitubercular compounds. *Chemical Biology and Drug Design*, **2018**, 91, 631-640	2.9	11
81	Versatile Coordination of Azocarboxamides: Redox-Triggered Change of the Chelating Binding Pocket in Ruthenium Complexes. *Chemistry - A European Journal*, **2018**, 24, 18020-18031	4.8	4
80	Mechanism of copper-free Sonogashira reaction operates through palladium-palladium transmetallation. *Nature Communications*, **2018**, 9, 4814	17.4	65
79	Synthesis of Bis(1,2,3-Triazole) Functionalized Quinoline-2,4-Diones. *Molecules*, **2018**, 23,	4.8	3
78	Seasonal and spatial variations in the occurrence, mass loadings and removal of compounds of emerging concern in the Slovene aqueous environment and environmental risk assessment. *Environmental Pollution*, **2018**, 242, 143-154	9.3	29

77	Diaryltriazenes as antibacterial agents against methicillin resistant Staphylococcus aureus (MRSA) and Mycobacterium smegmatis. *European Journal of Medicinal Chemistry*, **2017**, 127, 223-234	6.8	10
76	Design, Syntheses, and in Vitro Evaluation of New Fluorine-18 Radiolabeled Tau-Labeling Molecular Probes. *Journal of Medicinal Chemistry*, **2017**, 60, 8741-8757	8.3	9
75	Design, synthesis and antitubercular potency of 4-hydroxyquinolin-2(1H)-ones. *European Journal of Medicinal Chemistry*, **2017**, 138, 491-500	6.8	10
74	Synthesis of 1,4-Benzodiazepine-2,5-diones by Base Promoted Ring Expansion of 3-Aminoquinoline-2,4-diones. *Journal of Organic Chemistry*, **2017**, 82, 715-722	4.2	13
73	Synthesis and X-ray Structural Analysis of the Ruthenium(III) Complex Na[trans-RuCl4(DMSO)(PyrDiaz)], the Diazene Derivative of Antitumor NAMI-Pyr. *Acta Chimica Slovenica*, **2017**, 64, 763-770	1.9	2
72	Chemistry and Applications of 4-Hydroxyquinolin-2-one and Quinoline-2,4-dionebased Compounds. *Current Organic Chemistry*, **2017**, 21,	1.7	7
71	Ruthenium Azocarboxamide Half-Sandwich Complexes: Influence of the Coordination Mode on the Electronic Structure and Activity in Base-Free Transfer Hydrogenation Catalysis. *Organometallics*, **2016**, 35, 2840-2849	3.8	20
70	Ru, Ir and Os mesoionic carbene complexes: efficient catalysts for transfer hydrogenation of selected functionalities. *Dalton Transactions*, **2016**, 45, 15983-15993	4.3	43
69	Regioselective Hydrolysis and Transesterification of Dimethyl 3-Benzamidophthalates Assisted by a Neighboring Amide Group. *Journal of Organic Chemistry*, **2016**, 81, 5732-9	4.2	3
68	A mesoionic bis(Py-tzNHC) palladium(II) complex catalyses "green" Sonogashira reaction through an unprecedented mechanism. *Chemical Communications*, **2016**, 52, 1571-4	5.8	46
67	Advances and mechanistic insight on the catalytic Mitsunobu reaction using recyclable azo reagents. *Chemical Science*, **2016**, 7, 5148-5159	9.4	57
66	Discovery of 'click' 1,2,3-triazolium salts as potential anticancer drugs. *Radiology and Oncology*, **2016**, 50, 280-8	3.8	11
65	The "Fully Catalytic System" in Mitsunobu Reaction Has Not Been Realized Yet. *Organic Letters*, **2016**, 18, 4036-9	6.2	42
64	The 1,3-diaryltriazenido(p-cymene)ruthenium(II) complexes with a high in vitro anticancer activity. *Journal of Inorganic Biochemistry*, **2015**, 153, 42-48	4.2	14
63	Catalytic oxygenation of sp3 "C-H" bonds with Ir(III) complexes of chelating triazoles and mesoionic carbenes. *Dalton Transactions*, **2015**, 44, 686-93	4.3	62
62	Ru(II), Os(II), and Ir(III) complexes with chelating pyridyl-mesoionic carbene ligands: structural characterization and applications in transfer hydrogenation catalysis. *Chemistry - A European Journal*, **2015**, 21, 6756-64	4.8	57
61	Completely stereocontrolled aldol reaction of chiral □amino acids. *Organic Letters*, **2015**, 17, 512-5	6.2	7
60	Biological evaluation of diazene derivatives as anti-tubercular compounds. *European Journal of Medicinal Chemistry*, **2014**, 74, 85-94	6.8	7

59	Anti-mycobacterial activity of 1,3-diaryltriazenes. *European Journal of Medicinal Chemistry*, **2014**, 77, 193-203	3.9	16
58	Synthesis and NMR Analysis of 1,4-Disubstituted 1,2,3-Triazoles Tethered to Pyridine, Pyrimidine, and Pyrazine Rings. *European Journal of Organic Chemistry*, **2014**, 2014, 8167-8181	3.2	33
57	Fischer indolisation of N-(α-ketoacyl)anthranilic acids into 2-(indol-2-carboxamido)benzoic acids and 2-indolyl-3,1-benzoxazin-4-ones and their NMR study. *Organic and Biomolecular Chemistry*, **2014**, 12, 9650-64	3.9	4
56	Exploring the Scope of Pyridyl- and Picolyl-Functionalized 1,2,3-Triazol-5-ylidenes in Bidentate Coordination to Ruthenium(II) Cymene Chloride Complexes. *Organometallics*, **2014**, 33, 2588-2598	3.8	60
55	Combining [arene-Ru] with azocarboxamide to generate a complex with cytotoxic properties. *Chemistry - A European Journal*, **2014**, 20, 17296-9	4.8	11
54	Oxidative ring opening of 3-hydroxyquinoline-2,4(1H,3H)-diones into N-(α-ketoacyl)anthranilic acids. *Tetrahedron*, **2013**, 69, 10826-10835	2.4	17
53	A selective approach to pyridine appended 1,2,3-triazolium salts. *Organic Letters*, **2013**, 15, 5084-7	6.2	51
52	Platinum-mediated dinitrogen liberation from 2-picolyl azide through a putative Pt?N double bond containing intermediate. *Inorganic Chemistry*, **2013**, 52, 4528-33	5.1	5
51	4-Hy-droxy-1-methyl-3-phenyl-quinolin-2(1H)-one. *Acta Crystallographica Section E: Structure Reports Online*, **2013**, 69, o231		3
50	Design and evaluation of biological activity of diazenecarboxamide-extended cisplatin and carboplatin analogues. *Acta Chimica Slovenica*, **2013**, 60, 368-74	1.9	8
49	Concise and highly efficient approach to three key pyrimidine precursors for rosuvastatin synthesis. *Tetrahedron*, **2012**, 68, 2155-2160	2.4	21
48	3-Ethyl-4-hy-droxy-8-meth-oxy-quinolin-2(1H)-one. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o3198		2
47	3-Ethyl-3-hy-droxy-8-meth-oxy-quinoline-2,4(1H,3H)-dione monohydrate. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o3199-200		4
46	1-(2-Picolyl)-substituted 1,2,3-triazole as novel chelating ligand for the preparation of ruthenium complexes with potential anticancer activity. *Dalton Transactions*, **2011**, 40, 5188-99	4.3	71
45	Copper(I)-Catalyzed [3+ 2] Cycloaddition of 3-Azidoquinoline-2,4(1H,3H)-diones with Terminal Alkynes. *Molecules*, **2011**, 16, 4070-4081	4.8	3
44	Conformational fluxionality in a palladium(II) complex of flexible click chelator 4-phenyl-1-(2-picolyl)-1,2,3-triazole: A dynamic NMR and DFT study. *Polyhedron*, **2011**, 30, 2368-2373	2.7	15
43	New series of isoniazid hydrazones linked with electron-withdrawing substituents. *European Journal of Medicinal Chemistry*, **2011**, 46, 5902-9	6.8	34
42	Synthesis and Characterization of Platinum(II) Complexes with a Diazenecarboxamide-Appended Picolyl-Triazole Ligand. *European Journal of Inorganic Chemistry*, **2011**, 2011, 1921-1929	2.3	23

41	2-Hy-droxy-2-methyl-1-phenyl-indolin-3-one. *Acta Crystallographica Section E: Structure Reports Online*, **2011**, 67, o3228-9		
40	3-Ethyl-8-meth-oxy-4-(2,3,4,6-tetra-O-acetyl-□d-glucopyranos-yloxy)quinolin-2(1H)-one. *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, o1328-9		
39	Click-triazole N2 coordination to transition-metal ions is assisted by a pendant pyridine substituent. *Inorganic Chemistry*, **2010**, 49, 4820-9	5.1	115
38	Lactone pathway to statins utilizing the Wittig reaction. The synthesis of rosuvastatin. *Journal of Organic Chemistry*, **2010**, 75, 6681-4	4.2	33
37	Preparation of diazenecarboxamide□arboplatin conjugates by click chemistry. *Inorganica Chimica Acta*, **2010**, 363, 3817-3822	2.7	27
36	N-(Propargyl)diazenecarboxamides for □click□conjugation and their 1,3-dipolar cycloadditions with azidoalkylamines in the presence of Cu(II). *Tetrahedron*, **2010**, 66, 2602-2613	2.4	27
35	Selective formation of glycosidic linkages of N-unsubstituted 4-hydroxyquinolin-2-(1H)-ones. *Carbohydrate Research*, **2010**, 345, 768-79	2.9	11
34	Diazenes as Powerful and Versatile Tools in Organic Synthesis. *Synlett*, **2009**, 2009, 2217-2235	2.2	10
33	The First Convenient Entry to □Formyl-□valerolactone Precursor for the Synthesis of Statins via Lactonized Side Chain. *Synlett*, **2009**, 2009, 1144-1148	2.2	15
32	Concise and diversity-oriented synthesis of ligand arm-functionalized azoamides. *ACS Combinatorial Science*, **2008**, 10, 981-5		20
31	The first entry to pyrrolo[2,3-c]quinoline-2,4(3aH,5H)-diones. *Tetrahedron*, **2008**, 64, 4387-4402	2.4	11
30	Rearrangement of furo[2,3-c]quinoline-2,4(3aH,5H)-diones to furo[3,4-c]quinoline-3,4(1H,5H)-diones. *Tetrahedron Letters*, **2008**, 49, 90-93	2	10
29	Formation and structure elucidation of two novel spiro[2H-indol]-3(1H)-ones. *Magnetic Resonance in Chemistry*, **2007**, 45, 700-4	2.1	5
28	Selective cytotoxicity of diazenecarboxamides towards human leukemic cell lines. *Toxicology in Vitro*, **2007**, 21, 1453-9	3.6	6
27	Diazene JK-279 induces apoptosis-like cell death in human cervical carcinoma cells. *Toxicology in Vitro*, **2006**, 20, 217-26	3.6	28
26	X-ray crystal structures and solution dynamics of sodium organofluorotitanates [Na{Ti2(C5Me5)2F7}] and [NaTi6(C5Me5)5F20(H2O)]□(THF). *Journal of Fluorine Chemistry*, **2006**, 127, 1289-1293	2.1	2
25	X-Ray crystallographic, NMR and antimicrobial activity studies of magnesium complexes of fluoroquinolones - racemic ofloxacin and its S-form, levofloxacin. *Journal of Inorganic Biochemistry*, **2006**, 100, 1755-63	4.2	88
24	Synthesis and cytotoxicity against human cancer cells of novel diazenecarboxamides. *Arkivoc*, **2005**, 2001, 42-50	0.9	11

23	Development of potential anti-cancer agents: Diazenes and derivatives. *Drug Development Research* , **2004**, 61, 95-100	5.1	9
22	Synthesis of 5H-pyridazino[4,5-b]indoles and their benzofurane analogues utilizing an intramolecular Heck-type reaction. *Tetrahedron*, **2004**, 60, 2283-2291	2.4	31
21	Novel tandem hydration/cyclodehydration of alpha-thiocyanatoketones to 2-oxo-3-thiazolines. Application to thiazolo[5,4-c]quinoline-2,4(3aH,5H)-dione synthesis. *Journal of Organic Chemistry*, **2004**, 69, 5646-51	4.2	34
20	Evaluation of the enantiomeric resolution of 7,8-dihydroxy-7,8-dihydrobenzo[a]-pyrene and its 6-fluoro and 6-bromo derivatives on polysaccharide-derived stationary phases. *Journal of Organic Chemistry*, **2003**, 68, 3291-4	4.2	1
19	Pt(II) complexes with N-(3-pyridyl)-2-(4-(trifluoromethyl)phenyl)diazenecarboxamide and their reactions with glutathione. *Journal of Inorganic Biochemistry*, **2003**, 95, 105-12	4.2	13
18	Unfunctionalized, alpha-epimerizable nonracemic ketones and aldehydes can be accessed by crystallization-induced dynamic resolution of imines. *Journal of the American Chemical Society*, **2003** , 125, 3208-9	16.4	39
17	Lithium complexes with a [Cp*2Ti2F7]□ligand: 19F NMR probe for lithium solvation. *Dalton Transactions*, **2003**, 420-425	4.3	9
16	Thermal Rearrangement of 3-Hydroxy-1H,3H-quinoline-2,4-diones to 3-Acyloxy-2,3-dihydro-1H-indol-2-ones. *Heterocycles*, **2003**, 60, 1811	0.8	12
15	Synthesis of 3-thiocyanato-1H,3H-quinoline-2,4-diones. *Journal of Heterocyclic Chemistry*, **2002**, 39, 1315-1320	1.3	13
14	Diazenecarboxamide UP-91, a potential anticancer agent, acts by reducing cellular glutathione content. *Basic and Clinical Pharmacology and Toxicology*, **2002**, 91, 258-63		8
13	Cytotoxic effects of diazenes on tumor cells in vitro. *Chemotherapy*, **2002**, 48, 36-41	3.2	14
12	Syntheses of 3-Aminoquinoline- 2,4(1H,3H)-diones. *Heterocycles*, **2002**, 57, 1659	0.8	37
11	Variable-temperature nuclear magnetic resonance spectroscopy allows direct observation of carboxylate shift in zinc carboxylate complexes. *Journal of the American Chemical Society*, **2002**, 124, 3951-8	16.4	46
10	Suzuki reactions on chloropyridazinones: an easy approach towards arylated 3(2 H)-pyridazinones. *Tetrahedron*, **2001**, 57, 1323-1330	2.4	47
9	Novel ring contraction of 3-hydroxy-2,4(1H,3H)-quinolinediones in aqueous alkali. The first convenient route to 2-hydroxyindoxyls. *Journal of Organic Chemistry*, **2001**, 66, 6394-9	4.2	30
8	Synthesis of Novel 3-Acyloxy-1,3-dihydro-2H-indol-2-ones and Isomeric 4-Acyl-1,4-dihydro-3,1-benzoxazin-2-ones: Double Rearrangement of 3-Hydroxyquinoline-2,4(1H,3H)-diones. *Tetrahedron*, **2000**, 56, 1551-1560	2.4	41
7	NMR Investigation of the Copper(II)-Ciprofloxacin System. *Metal-Based Drugs*, **1999**, 6, 1-4		3
6	The Interactions of Titanocene Dihalides with □ □and □cyclodextrin Host Molecules. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **1999**, 35, 595-604		17

5	Diazene JK-279: potential anticancer drug. *Anti-Cancer Drugs*, **1999**, 10, 853-9	2.4	12
4	Controlled oxidation of thiols to disulfides by diazenecarboxamides. *Journal of the Chemical Society Perkin Transactions 1*, **1998**, 3917-3920		35
3	Unprecedented Reactivity of 5-Substituted 3-Hydroxy-1,2,3,4-tetrahydroquinoline-2,4-diones with Ethyl (Triphenylphosphoranylidene)acetate. *Heterocycles*, **1998**, 48, 2309	0.8	15
2	Mass Spectrometry of the Organic Hydrate 2-Bromo-3,3-dihydroxy-1-(2-thienyl)-4,4,4-trifluoro-1-butanone. *Rapid Communications in Mass Spectrometry*, **1997**, 11, 335-340	2.2	
1	A Mild Approach to 1,3,4-Oxadiazoles and Fused 1,2,4-Triazoles. Diazenes as Intermediates?. *Synlett* , **1996**, 1996, 652-654	2.2	32