

No.	Authors	Title	Citation	DOI or PMID	Year	PubPeer url	Figure
1	Haydar Gökse, Yunus Yıldız, Betül Çelik, Melike Yazıcı, Benan Kılbaş, Fatih Şen	Highly Efficient and Monodisperse Graphene Oxide Furnished Ru/Pd Nanoparticles for the Dehalogenation of Aryl Halides via Ammonia Borane	ChemistrySelect (2016)	10.1002/slct.201600207	2016	https://pubpeer.com/publications/42991F07A3C2A2FD48078C4F40B70A	
2	Haydar Gökse, Betül Çelik, Yunus Yıldız, Fatih Şen, Benan Kılbaş	Superior Monodisperse CNT-Supported CoPd (CoPd@CNT) Nanoparticles for Selective Reduction of Nitro Compounds to Primary Amines with NaBH ₄ in Aqueous Medium	ChemistrySelect 2016, 1, 2366 – 2372	10.1002/slct.201600509	2016	https://pubpeer.com/publications/7AD34C438D5DD52C021AF2C627EFD	Inset5
3	Zafer Öztürk, Fatih Şen, Selda Sen, Gulsun Gokgacag	The preparation and characterization of nano-sized Pt-Pd/C catalysts and comparison of their superior catalytic activities for methanol and ethanol oxidation	Journal of Materials Science (2012)	10.1007/s10853-012-6709-3	2012	https://pubpeer.com/publications/B8B79031AF98A82BD09991326E1DEB	
4	Esma Erken, Handan Pamuk, Özlem Karatepe, Gaye Başkaya, Hakan Sert, Orhan Murat Kalfa, Fatih Şen	New Pt(O) Nanoparticles as Highly Active and Reusable Catalysts in the C1–C3 Alcohol Oxidation and the Room Temperature Dehydrocoupling of Dimethylamine-Borane (DMAB)	J Clust Sci (2015)	10.1007/s10876-015-0892-8	2015	https://pubpeer.com/publications/E1D8098373F589FA5B3724411B5D	Inset3
5	Hakan Sert, Yunus Yıldız, Tuğba Onal Okyay, Bahdise Gezer, Zeynep Dasdelen, Betül Şen, Fatih Şen	Monodisperse Mw-Pt NPs@VC as Highly Efficient and Reusable Adsorbents for Methylene Blue Removal	J Clust Sci (2016) 27:1953–1962	10.1007/s10876-016-1054-3	2016	https://pubpeer.com/publications/5E060CB438A4F7F8CFF1F948364685	Inset3
6	Betül Şen, Esra Kuyuldar, Buse Demirkan, Aysun Şavk, Ayşenur Aygün, Fatih Şen	Highly active and reusable 2 nanocomposites for hydrogen generation	Nanocarbon and its Composites.	10.1016/B978-0-08-102509-3.00002-X	2019	https://pubpeer.com/publications/F4EFD247F14A9DBAADD74C55D28CD	Inset2
7	Betül Şen, Ayşenur Aygün, Aysun Şavk, Mehmet Harbi Çalimli, Senem Karahan Gülbay, Fatih Şen	Nanocarbon-supported catalysts for the efficient dehydrogenation of dimethylamine borane	Nanocarbon and its Composites (2019)	10.1016/B978-0-08-102509-3.00020-1	2019	https://pubpeer.com/publications/D02CECF25596B3703CDCT75362D2E4C5	Inset1
8	Sait Bozkurt, Berna Tosun, Betül Şen, Süleyman Akocak, Aysun Şavk, Mehmet Faruk Ebeoğlu, Fatih Şen	A hydrogen peroxide sensor based on TNM functionalized reduced graphene oxide grafted with highly monodisperse Pd nanoparticles	Analytica Chimica Acta (2017)	10.1016/j.aca.2017.07.051	2017	https://pubpeer.com/publications/A18CE413B83DEDB29006084D2125	Inset1
9	Yağmur Koskun, Aysun Şavk, Betül Şen, Fatih Şen	Highly sensitive glucose sensor based on monodisperse palladium nickel/activated carbon nanocomposites	Analytica Chimica Acta xxx (2018) 1e7	10.1016/j.aca.2018.01.035	2018	https://pubpeer.com/publications/AE18293021403E82AD9A381894117A	Inset2
10	Zeynep Dasdelen, Yunus Yıldız, Sinan Eriş and Fatih Şen*	Enhanced electrocatalytic activity and durability of Pt nanoparticles decorated on GO-PVP hybrid material for methanol oxidation reaction	Applied Catalysis B: Environmental (2017)	10.1016/j.apcatb.2017.08.014	2017	https://pubpeer.com/publications/8C379B82336445CA008B24B9A845E9	Inset1
11	Betül Şen, Esma Hazal Akdere, Aysun Şavk, Emine Gültekin, Özge Paralı, Haydar Gökse, Fatih Şen	A novel thiocarbamide functionalized graphene oxide supported bimetallic monodisperse Rh-Pt nanoparticles (RhPt/TC@GO NPs) for Knoevenagel condensation of aryl aldehydes together with malononitrile	Applied Catalysis B: Environmental 225 (2018) 148–153	10.1016/j.apcatb.2017.11.067	2018	https://pubpeer.com/publications/B349002444AD443290F5A945D05F0	Inset1
12	Gaye Başkaya, Yunus Yıldız, Aysun Şavk, Tuğba Onal Okyay, Sinan Eriş, Hakan Sert, Fatih Şen	Rapid, sensitive, and reusable detection of glucose by highly monodisperse nickel nanoparticles decorated functionalized multi-walled carbon nanotubes	Biosensors and Bioelectronics (2017)	10.1016/j.bios.2017.01.045	2017	https://pubpeer.com/publications/BA11ED6001BA118003C86808EA9905	
13	Birgülay Şahin, Ayşenur Aygün, Hülya Gündüz, Kubilay Şahin, Enes Demir, Süleyman Akocak, Fatih Şen	Cytotoxic Effects of Platinum Nanoparticles Obtained from Pomegranate Extract by the Green Synthesis Method on the MCF-7 Cell Line	Colloids and Surfaces B: Biointerfaces Volume 163, 1 March 2018, Pages 119–124	10.1016/j.colsurfb.2017.12.042	2018	https://pubpeer.com/publications/23F8E475021BE895D13B814B8B072	Inset1
14	Betül Çelik, Sultan Kuzu, Esma Erken, Hakan Sert, Yağmur Koşkun, Fatih Şen	Nearly monodisperse carbon nanotube furnished nanocatalysts as highly efficient and reusable catalyst for dehydrocoupling of DMAB and C1 to C3 alcohol oxidation	International journal of hydrogen energy Volume 41, Issue 4, 30 January 2016, Pages 3093–3101	10.1016/j.ijhydene.2015.12.138	2016	https://pubpeer.com/publications/344C7102E860CE17F6B7A8D615810C	Inset2
15	Betül Çelik, Gaye Başkaya, Hakan Sert, Özlem Karatepe, Esma Erken, Fatih Şen	Monodisperse Pt(O)DPA@GO nanoparticles as highly active catalysts for alcohol oxidation and dehydrogenation of DMAB	International journal of hydrogen energy 41 (2016) 5661e5669	10.1016/j.ijhydene.2016.02.061	2016	https://pubpeer.com/publications/C0CE8E427C432F4D259760D7525D9	Inset3
16	Yunus Yıldız, Sultan Kuzu, Betül Şen, Aysun Şavk, Süleyman Akocak, Fatih Şen	Different ligand based monodispersed Pt nanoparticles decorated with rGO as highly active and reusable catalysts for the methanol oxidation	International journal of hydrogen energy xxx (2017) 1–9	10.1016/j.ijhydene.2017.03.230	2017	https://pubpeer.com/publications/2A9E6C5D518D5BF2A3C8DC4285D4185	Inset7
17	Betül Şen, Sultan Kuzu, Enes Demir, Tuğba Onal Okyay, Fatih Şen	Hydrogen liberation from the dehydrocoupling of dimethylamineborane at room temperature by using novel and highly monodispersed PtRuNi nanoparticles decorated with graphene oxide	International journal of hydrogen energy xxx (2017) 1e8	10.1016/j.ijhydene.2017.04.213	2017	https://pubpeer.com/publications/EF64FCFA77488C1E5EE53F4F7C7B	Inset2
18	Betül Şen, Sultan Kuzu, Enes Demir, Süleyman Akocak, Fatih Şen	Polymer-graphene hybrid decorated Pt nanoparticles as highly efficient and reusable catalyst for the dehydrogenation of dimethylamineborane at room temperature	International journal of hydrogen energy xxx (2017) 1e8	10.1016/j.ijhydene.2017.05.112	2017	https://pubpeer.com/publications/963722035DDCFC0B71F56ACCD7323	Inset2
19	Betül Şen, Sultan Kuzu, Enes Demir, Süleyman Akocak, Fatih Şen	Monodisperse palladiumnickel alloy nanoparticles assembled on graphene oxide with the high catalytic activity and reusability in the dehydrogenation of dimethylamineborane	International journal of hydrogen energy xxx (2017) 1e8	10.1016/j.ijhydene.2017.05.113	2017	https://pubpeer.com/publications/CAD2F16435F6C39F5DE6851A2E61D	Inset2
20	Betül Şen, Sultan Kuzu, Enes Demir, Eyüp Yıldırım, Fatih Şen	Highly efficient catalytic dehydrogenation of dimethyl ammonia borane via monodisperse palladiumnickel alloy nanoparticles assembled on PEDOT	International journal of hydrogen energy xxx (2017) 1e8	10.1016/j.ijhydene.2017.05.115	2017	https://pubpeer.com/publications/B41CD7CE64739C2F2BBF540DD0FF	Inset2
21	Betül Şen, Sultan Kuzu, Enes Demir, Süleyman Akocak, Fatih Şen	Highly monodisperse RuCo nanoparticles decorated on functionalized multiwalled carbon nanotube with the highest observed catalytic activity in the dehydrogenation of dimethylamineborane	International journal of hydrogen energy xxx (2017) 1e7	10.1016/j.ijhydene.2017.06.032	2017	https://pubpeer.com/publications/B0E63DC7297A3FC911A52B3DF7BE37	Inset2
22	Sinan Eriş, Zeynep Dasdelen, Fatih Şen	Investigation of electrocatalytic activity and stability of Pt@FVC catalyst prepared by in-situ synthesis for Methanol electrooxidation	International journal of hydrogen energy 43 (2018) 385e390	10.1016/j.ijhydene.2017.11.063	2018	https://pubpeer.com/publications/1082A30A3B6B51B893363A9AE5476	Inset1
23	Betül Şen, Ayşenur Aygün, Tuğba Onal Okyay, Aysun Şavk, Remziye Kartop, Fatih Şen	Monodisperse palladium nanoparticles assembled on graphene oxide with the high catalytic activity and reusability in the dehydrogenation of dimethylamine-borane	International journal of hydrogen energy xxx (2018) 1e7	10.1016/j.ijhydene.2018.03.175	2018	https://pubpeer.com/publications/8AD71F4A32472314CCE9983D47E36F	Inset1
24	Betül Şen, Buse Demirkan, Menderes Levent, Aysun Şavk, Fatih Şen	Silica-based monodisperse PdCo nanohybrids as highly efficient and stable nanocatalyst for hydrogen evolution reaction	International journal of hydrogen energy xxx (2018) 1e9	10.1016/j.ijhydene.2018.07.080	2018	https://pubpeer.com/publications/BB1C7BC9B0C4F55B2A3CBBD646087F	Inset1
25	Betül Şen, Ayşenur Aygün, Aysun Şavk, Süleyman Akocak, Fatih Şen	Bimetallic palladiumnickel alloy nanoparticles as highly efficient and stable catalyst for the hydrogen evolution reaction	International journal of hydrogen energy xxx (2018) 1e9	10.1016/j.ijhydene.2018.07.081	2018	https://pubpeer.com/publications/2A482E5AE9A47E4F87E6C5635A2B9C	Inset1
26	Betül Şen, Buse Demirkan, Aysun Şavk, Senem Karahan Gülbay, Fatih Şen	Trimetallic PtRuNi nanocomposites decorated on graphene oxide: A superior catalyst for the hydrogen evolution reaction	International journal of hydrogen energy xxx (2018) 1e9	10.1016/j.ijhydene.2018.07.122	2018	https://pubpeer.com/publications/F37615D2B93BAA8A41C4DCA099D5CD	Inset1
27	Betül Şen, Ayşenur Aygün, Aysun Şavk, Cengiz Yenikaya, Sabri Çevik, Fatih Şen	Metal-organic frameworks based on monodisperse palladiumcobalt nanohybrids as highly active and reusable nanocatalysts for hydrogen generation	International journal of hydrogen energy 44 (2019) 2988e2996	10.1016/j.ijhydene.2018.12.051	2018	https://pubpeer.com/publications/28AF14A6677C2C8E8D3F41856A0DC8	Inset1
28	Betül Şen, Ayşenur Aygün, Aysun Şavk, Mehmet Harbi Çalimli, Senem Karahan Gülbay, Fatih Şen	Bimetallic palladium-cobalt nanomaterials as highly efficient catalysts for dehydrocoupling of dimethylamine borane	International journal of hydrogen energy xxx (xxxx) xxx	10.1016/j.ijhydene.2019.01.215	2019	https://pubpeer.com/publications/84149CB9E25F81C42DD0FAABDCBE2	Inset1
29	Betül Şen, Esra Kuyuldar, Aysun Şavk, Harbi Çalimli, Sibel Duman, Fatih Şen	Monodisperse rutheniumcopper alloy nanoparticles decorated on reduced graphene oxide for dehydrogenation of DMAB	International journal of hydrogen energy 44 (2019) 10744e10751	10.1016/j.ijhydene.2019.02.176	2019	https://pubpeer.com/publications/F5517C2786C02B2C34E6326AC642A	Inset1
30	Birgülay Şahin, Enes Demir, Ayşenur Aygün, Hülya Gündüz, Fatih Şen	Investigation of the effect of pomegranate extract and monodisperse silver nanoparticle combination on MCF-7 cell line	Journal of Biotechnology 2017 Oct 20;260:79–83	10.1016/j.jbiotec.2017.09.012	2017	https://pubpeer.com/publications/F2232A02192EBC7D9483E4788535F6	Inset2
31	Sinan Eriş, Zeynep Dasdelen, Fatih Şen	Enhanced electrocatalytic activity and stability of monodisperse Pt nanocomposites for direct methanol fuel cells	Journal of Colloid and Interface Science (2017)	10.1016/j.jcis.2017.11.085	2017	https://pubpeer.com/publications/72777E750196F16F17854609EF387A	Inset1
32	Betül Şen, Aysun Şavk, Fatih Şen	Highly Efficient Monodisperse Pt Nanoparticles Confined in the Carbon Black Hybrid Material for Hydrogen Liberation	Journal of Colloid and Interface Science	10.1016/j.jcis.2018.03.004	2018	https://pubpeer.com/publications/EC8E88B33493C18A63D6D9CC01B	Inset2
33	Betül Şen, Esra Kuyuldar, Buse Demirkan, Tuğba Onal Okyay, Aysun Şavk, Fatih Şen	Highly efficient polymer supported monodisperse ruthenium-nickel nanocomposites for dehydrocoupling of dimethylamine borane	Journal of Colloid and Interface Science 526 (2018) 480–486	10.1016/j.jcis.2018.05.021	2018	https://pubpeer.com/publications/845FC58B3F6D960CC82B25877B01D8	Inset1
34	Betül Şen, Ayşenur Aygün, Mehmet Ferdi Fellah, Mehmet Harbi Çalimli, Fatih Şen	Highly monodispersed palladium-ruthenium alloy nanoparticles assembled on poly(N-vinyl-pyrrolidone) for dehydrocoupling of dimethylamine-borane: An experimental and density functional theory study	Journal of Colloid and Interface Science 546 (2019) 83–91	10.1016/j.jcis.2019.03.057	2019	https://pubpeer.com/publications/73725F42EF9E26B24B1A0274C1DAF	Inset2
35	Aysenur Aygun, Fulya Gulbagca, Lutfiye Yildiz Ozer, Buket Ustaoglu, Yasemin Celik Altunoglu, Mehmet Cengiz Baloglu, Mehmet Nuri Altair, Mehmet Hakkı Alma, Fatih Şen	Biogenic Platinum Nanoparticles using Black Cumin Seed and Their Potential Usage as Antimicrobial and Anticancer Agent	Journal of Pharmaceutical and Biomedical Analysis	10.1016/j.jpba.2019.112961	2019	https://pubpeer.com/publications/EF968F132EE2926EFD889159F05D63	Inset1
36	Betül Şen, Ayşenur Aygün, Aysun Şavk, Fulya Gulbagca, Senem Karahan Gülbay, Mehmet Harbi Çalimli, Fatih Şen	Binary Palladium-Nickel/Vulcan carbon-based nanoparticles as highly efficient catalyst for hydrogen evolution reaction at room temperature	Journal of the Taiwan Institute of Chemical Engineers 101 (2019) 92–98	10.1016/j.tice.2019.04.040	2019	https://pubpeer.com/publications/A986DB03D06B2C9C02888214BDF742	Inset1
37	Fatma Göl, Ayşenur Aygün, Abdullah Seyrankaya, Tuğba Gür, Cengiz Yenikaya, Fatih Şen	Green synthesis and characterization of Camellia sinensis mediated silver nanoparticles for antibacterial ceramic applications	Materials Chemistry and Physics 250 (2020) 123037	10.1016/j.matchemphys.2020.123037	2020	https://pubpeer.com/publications/EF60FFA143108BF793C47F2436368D	Inset1
38	Hayriye Genç Bilgili, Hakan Burhan, Fatma Diler, Kemal Cellat, Esra Kuyuldar, Mustafa Zengin, Fatih Şen	Composites of palladium nanoparticles and graphene oxide as a highly active and reusable catalyst for the hydrogenation of nitroarenes	Microporous and Mesoporous Materials 296 (2020) 110014	10.1016/j.micromeso.2020.110014	2020	https://pubpeer.com/publications/46FF68F69AF8601687B7F6816EC69	Inset1

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39	Betül Şen, Buse Demirkan, Aysun Savk, Remziye Kartop, Mehmet Salih Nas, Mehmet Hakkı Alma, Sedat Sürdem, Fatih Şen	High-performance graphite-supported ruthenium nanocatalyst for hydrogen evolution reaction	Journal of Molecular Liquids 268, 15 October 2018, Pages 807-812	10.1016/j.molliq.2018.07.117	2018	https://pubpeer.com/publications/B282E7A473A3E8250B3C7B49336281	Inset1
40	Betül Şen, Ayşenur Aygün, Aysun Şavk, Sibel Duman, Mehmet Harbi Calimli, Ela Bulut, Fatih Şen	Polymer-graphene hybrid stabilized ruthenium nanocatalysts for the dimethylamine-borane dehydrogenation at ambient conditions	Journal of Molecular Liquids 279 (2019) 578–583	10.1016/j.molliq.2019.02.003	2019	https://pubpeer.com/publications/093160C6A6C6B248F56D44FAA64D9	Inset2
41	Suat Taçyıldız, Buse Demirkan, Yaşar Karataş, Mehmet Gulcan, Fatih Şen	Monodisperse Ru-Rh bimetallic nanocatalyst as highly efficient catalysts for hydrogen generation from hydrolytic dehydrogenation of methylamine-borane	Journal of Molecular Liquids 285 (2019) 1–8	10.1016/j.molliq.2019.04.019	2019	https://pubpeer.com/publications/68E0115498C9C982E7F60EF8BD3599	Inset1
42	Fatma Diler, Hakan Burhan, Hayriye Genc, Esra Kuyuldar, Mustafa Zengin, Kemal Cellat, Fatih Şen	Efficient preparation and application of monodisperse palladium loaded graphene oxide as a reusable and effective heterogeneous catalyst for Suzuki cross-coupling reaction	Journal of Molecular Liquids 298 (2020), 111967	10.1016/j.molliq.2019.111967	2019	https://pubpeer.com/publications/0C00D236A85673C8B673818FA602A6	Inset1
43	Mehmet Salih Nas, Mehmet Harbi Calimli, Hakan Burhan, Mustafa Yılmaz, Sibel Demiroglu Mustafov, Fatih Şen	Synthesis, characterization, kinetics and adsorption properties of Pt-Co@GO nano-adsorbent for methylene blue removal in the aquatic mediums using ultrasonic process systems	Journal of Molecular Liquids 296 (2019), 112100	10.1016/j.molliq.2019.112100	2019	https://pubpeer.com/publications/DF8805C4BE54339F092D599FA86213	Inset1
44	Aysun Şavk, Hediye Aydın, Kemal Cellat, Fatih Şen	A novel high performance non-enzymatic electrochemical glucose biosensor based on activated carbon-supported Pt-Ni nanocomposite	Journal of Molecular Liquids 300 (2020) 112355	10.1016/j.molliq.2019.112355	2019	https://pubpeer.com/publications/D1E23E308D58B02976534996C85C6	Inset1
45	Mehmet Harbi Calimli, Mehmet Salih Nas, Hakan Burhan, Sibel Demiroglu Mustafov, Özkan Demirbaş, Fatih Şen	Preparation, characterization and adsorption kinetics of methylene blue dye in reduced-graphene oxide supported nanoadsorbents	Journal of Molecular Liquids 309 (2020) 113171	10.1016/j.molliq.2020.113171	2020	https://pubpeer.com/publications/E76D657D04D4E4584D70B5D78A5D59	Inset1
46	Aysun Savk, Buse Özdlü, Buse Demirkan, Mehmet Salih Nas, Mehmet Harbi Calimli, Mehmet Hakkı Alma, Inamuddin, Abdullah M. Asiri, Fatih Şen	Multivalued carbon nanotube-based nanosensor for ultrasensitive detection T of uric acid, dopamine, and ascorbic acid	Materials Science & Engineering C 99 (2019) 246–254	10.1016/j.msec.2019.01.113	2019	https://pubpeer.com/publications/963C51EB0355636EABE84CB47D798F	Inset1
47	Rukiye Ayrancı, Buse Demirkan, Betül Sen, Aysun Şavk, Metin Ak, Fatih Şen	Use of the monodisperse Pt/Ni@rGO nanocomposite synthesized by T ultrasonic hydroxide assisted reduction method in electrochemical nonenzymatic glucose detection	Materials Science & Engineering C 99 (2019) 951–956	10.1016/j.msec.2019.02.040	2019	https://pubpeer.com/publications/F306AD9D2628323C34F6F1156BAB7	Inset1
48	Suleyman Akocak, Betül Şen, Nabih Lolak, Aysun Şavk, Murat Koca, Sultan Kuzu, Fatih Şen	One-pot three-component synthesis of 2-Amino-4H-Chromene derivatives by using monodisperse Pd nanomaterials anchored graphene oxide as highly efficient and recyclable catalyst	Nano-Structures & Nano-Objects 11 (2017) 25–31	10.1016/j.nano.2017.06.002	2017	https://pubpeer.com/publications/77A598972CEB2B4EE5508B13108BB9	Inset2
49	Enes Demir, Betül Sen, Fatih Şen	Highly efficient Pt nanoparticles and f-MWCNT nanocomposites based counter electrodes for dye-sensitized solar cells	Nano-Structures & Nano-Objects 11 (2017) 39–45	10.1016/j.nano.2017.06.003	2017	https://pubpeer.com/publications/36A4360F432616C98257332EEB533	Inset2
50	Betül Şen, Nabih Lolak, Özge Paralı, Murat Koca, Aysun Şavk, Süleyman Akocak, Fatih Şen	Bimetallic PdRu/graphene oxide based Catalysts for one-pot three-component synthesis of 2-amino-4H-chromene derivatives	Nano-Structures & Nano-Objects 12 (2017) 33–40	10.1016/j.nano.2017.08.013	2017	https://pubpeer.com/publications/7A123B2F1443D6AC355E4B633E05E2	Inset1
51	Enes Demir, Aysun Savk, Betül Sen, Fatih Şen	A novel monodisperse metal nanoparticles anchored graphene oxide as Counter Electrode for Dye-Sensitized Solar Cells	Nano-Structures & Nano-Objects 12 (2017) 41–45	10.1016/j.nano.2017.08.018	2017	https://pubpeer.com/publications/6373823715DCA98B58AB97AF1A5817	Inset2
52	Betül Şen, Buse Demirkan, Bahar Şimşek, Aysun Savk, Fatih Şen	Monodisperse palladium nanocatalysts for dehydrocoupling of dimethylamineborane	Nano-Structures & Nano-Objects 16 (2018) 209–214	10.1016/j.nano.2018.07.008	2018	https://pubpeer.com/publications/C48553F830631E763772CA32536DE5	Inset1
53	Hilal Acidereli, Kemal Cellat, Mehmet Harbi Calimli, Fatih Şen	Palladium/ruthenium supported on graphene oxide (PdRu@GO) as an efficient, stable and rapid catalyst for hydrogen production from DMAB under room conditions	Renewable energy Volume 161, December 2020, Pages 200-206	10.1016/j.renene.2020.07.105	2020	https://pubpeer.com/publications/64C20A4E41BA25E4889F9420210E9	Inset1
54	Nabih Lolak, Esra Kuyuldar, Hakan Burhan, Haydar Goksu, Süleyman Akocak, Fatih Şen	Composites of Palladium-Nickel Alloy Nanoparticles and Graphene Oxide for the Knoevenagel Condensation of Aldehydes with Malononitrile	ACS Omega 2019, 4, 6848–6853	10.1021/acsomega.9b00485	2019	https://pubpeer.com/publications/7BF1574E129B1888DDBE2EEF516E0	Inset1
55	Fatih Şen, Gülsün Gökçağaç	Activity of Carbon-Supported Platinum Nanoparticles toward Methanol Oxidation Reaction: Role of Metal Precursor and a New Surfactant,tert-Octanethiol	The Journal of Physical Chemistry C (2007)	10.1021/jp065809y	2007	https://pubpeer.com/publications/F240E3F0DDDC5FC5CA24A59376BFF	
56	Fatih Şen, Gülsün Gökçağaç	Different Sized Platinum Nanoparticles Supported on Carbon: An XPS Study on These Methanol Oxidation Catalysts	The Journal of Physical Chemistry C (2007)	10.1021/jp068381b	2007	https://pubpeer.com/publications/748500DB9FAB0D07C81A0CD8F73613	
57	Mehmet Salih Nas, Esra Kuyuldar, Buse Demirkan, Mehmet Harbi Calimli, Ozkan Demirbaş, Fatih Şen	Magnetic nanocomposites decorated on multivalued carbon nanotube for removal of Maxilon blue 5G using the sono-Fenton method	Scientific Reports (2019) 9:10850	10.1038/s41598-019-47393-0	2019	https://pubpeer.com/publications/ED26ADA5554A1DA5966291C48E70D5	Inset1
58	Buse Demirkan, Sait Bozkurt, Aysun Şavk, Kemal Cellat, Fulya Gülbağca, Mehmet Salih Nas, Mehmet Hakkı Alma, Fatih Şen	Composites of Bimetallic Platinum-Cobalt Alloy Nanoparticles and Reduced Graphene Oxide for Electrochemical Determination of Ascorbic Acid, Dopamine, and Uric Acid	Scientific Reports (2019) 9:12258	10.1038/s41598-019-48802-0	2019	https://pubpeer.com/publications/1E6A0D10E095E9917D4F49A4ADB0ED	Inset1
59	Betül Şen, Ayşenur Aygün, Aysun Şavk, Mehmet Harbi Calimli, Mehmet Ferdi Fellah, Fatih Şen	Composites of Platinum-Iridium Alloy Nanoparticles and Graphene Oxide for the Dimethyl Amine Borane (DMAB) dehydrogenation at ambient conditions: An Experimental and Density Functional Theory Study	Scientific Reports (2019) 9:15543	10.1038/s41598-019-52038-3	2019	https://pubpeer.com/publications/61BF0D437988DD631C1600529D99DA	Inset1
60	Eda Gokirmak Sogut, Hilal Acidereli, Esra Kuyuldar, Yaşar Karataş, Mehmet Gulcan, Fatih Şen	Single-walled carbon nanotube supported Pt-Ru bimetallic superb nanocatalyst for the hydrogen generation from the methanolysis of methylamine-borane at mild conditions	Scientific Reports (2019) 9:15724	10.1038/s41598-019-52182-w	2019	https://pubpeer.com/publications/B23ABB72050A5AB62092BABA26F36F	
61	Yaşar Karataş, Esra Kuyuldar, Hilal Acidereli, Mehmet Gulcan, Fatih Şen	Polypyrrole-multi walled carbon nanotube hybrid material supported Pt NPs for hydrogen evolution from the hydrolysis of MeAB at mild conditions	Scientific Reports (2019) 9:18553	10.1038/s41598-019-55030-z	2019	https://pubpeer.com/publications/204B4B7493198303FA9D998CCD42D	Inset1
62	Aysun Şavk, Kemal Cellat, Kubilay Ankan, Fatih Tezcan, Senem Karahan Gülbay, Servet Kızıldağ, Elif Şahin Işgin, Fatih Şen	Highly monodisperse Pd-Ni nanoparticles supported on rGO as a rapid, sensitive, reusable and selective enzyme-free glucose sensor	Scientific Reports (2019) 9:19228	10.1038/s41598-019-55746-y	2019	https://pubpeer.com/publications/6389B57905710C7A5B59C6673547D7	Inset1
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64	Haydar Goksu, Hakan Burhan, Sibel Demiroglu Mustafov, Fatih Şen	Oxidation of Benzyl Alcohol Compounds in the Presence of Carbon Hybrid Supported Platinum Nanoparticles (Pt@CHs) in Oxygen Atmosphere	Scientific Reports (2020) 10:5439	10.1038/s41598-020-62400-5	2020	https://pubpeer.com/publications/C5C54481450356F931E5B694B5FA42	Inset1
65	Yaşar Karataş, Hilal Acidereli, Mehmet Gulcan, Fatih Şen	A novel highly active and reusable carbon based platinum-ruthenium nanocatalyst for dimethylamine- borane dehydrogenation in water at room conditions	Scientific Reports (2020) 10:7149	10.1038/s41598-020-64046-9	2020	https://pubpeer.com/publications/F8D9C96E9E944A57E9CFF7A0A10F7	Inset6
66	Oznu Alptekin, Betül Sen, Aysun Savk, Umran Ercetin, Sibel Demiroglu Mustafov, Mehmet Ferdi Fellah, Fatih Şen	Use of silica-based homogeneously distributed gold nickel nanohybrid as a stable nanocatalyst for the hydrogen production from the dimethylamine borane	Scientific Reports (2020) 10:7215	10.1038/s41598-020-64221-y	2020	https://pubpeer.com/publications/7EEC79F2C11DEB2A71C5E92BF26033	Inset1
67	Esra Kuyuldar, Su Selda Polat, Hakan Burhan, Sibel Demiroglu Mustafov, Aysegül İydoğan, Fatih Şen	Monodisperse thiourea functionalized graphene oxide-based PtRu nanocatalysts for alcohol oxidation	Scientific Reports (2020) 10:7811	10.1038/s41598-020-64885-6	2020	https://pubpeer.com/publications/9331C845F0A05BF766617EFBB1A800	Inset1
68	Haydar Goksu, Kemal Cellat, Fatih Şen	Single-Walled Carbon Nanotube Supported PtNi Nanoparticles (PtNi@SWCNT) Catalyzed Oxidation of Benzyl Alcohols to the Benzaldehyde Derivatives in Oxygen Atmosphere	Scientific Reports (2020) 10:9656	10.1038/s41598-020-66492-x	2020	https://pubpeer.com/publications/BF9289FB471CF43E49974331C8F86	Inset4
69	Peng Zhang, Jian Cui, Shirin Mansooridara, Atoosa Shahriyari Kalantari, Akram Zangeneh, Mohammad Mahdi Zangeneh, Nastaran Sadeghian, Parham Taslimi, Ramazan Bayat, Fatih Şen	Suppressor capacity of copper nanoparticles biosynthesized using Crocus sativus L. leaf aqueous extract on methadone-induced cell death in adrenal pheochromocytoma (PC12) cell line	Scientific Reports (2020) 10:11631	10.1038/s41598-020-68142-8	2020	https://pubpeer.com/publications/DCC43E89AEOCD8909E9C707B781C8	
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71	Betül Sen, Hilal Acidereli, Neslihan Karaman, Fatih Şen	Monodisperse palladium-cobalt alloy nanocatalyst supported on activated carbon (AC) as highly effective catalyst for the DMAB dehydrocoupling	Scientific Reports (2020) 10:11755	10.1038/s41598-020-68773-x	2020	https://pubpeer.com/publications/B47932CE5D33AFAB27C87C94E2122	Inset4
72	Huifang Hou, Behnam Mahdavi, Sogand Paydarfard, Mohammad Mahdi Zangeneh, Akram Zangeneh, Nastaran Sadeghian, Parham Taslimi, Vildan Erduran, Fatih Şen	Novel green synthesis and antioxidant, cytotoxicity, antimicrobial, anti-diabetic, anticholinergics, and wound healing properties of cobalt nanoparticles containing Ziziphora cinopodioides Lam leaves extract	Scientific Reports (2020) 10:12195	10.1038/s41598-020-68951-x	2020	https://pubpeer.com/publications/0C2D7FD92548E6F8A7D02C13FD6223	
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75	İbrahim Esirden, Esmâ Erken, Muharrem Kaya, Fatih Şen	Monodisperse Pt NPs@rGO as Highly Efficient and Reusable Heterogeneous Catalyst for the Synthesis of 5-substituted 1H-tetrazole Derivatives	Catalysis Science & Technology, 2015, 5, 4452-4457	10.1039/C5CY00864F	2015	https://pubpeer.com/publications/931B6DE1340BCBDA0AFF94CA3419811	
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79	Yunus Yıldız, Handan Pamuk, Özlem Karatepe, Zeynep Dasedelen, Fatih Şen	Carbon black hybrid material furnished monodisperse Platinum nanoparticles as highly efficient and reusable electrocatalysts for formic acid electro-oxidation	RSC Advances 2016, 6, 32858-32862	10.1039/C6RA00232C	2016	https://pubpeer.com/publications/5749B9669209B8DF92A458FE6CB968	Inset7
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82	Tuna Demirci, Betül Çelik, Yunus Yıldız, Sinan Eriş, Mustafa Arslan, Fatih Şen, Benan Kilbas	One-pot synthesis of Hantzsch dihydropyridines using a highly efficient and stable PdRuNi@GO catalyst	RSC Advances 2016, 6, 76948-76956	10.1039/c6ra13142e	2016	https://pubpeer.com/publications/333B326822135A21713764E73A2B86	
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84	Hakan Sert, Yunus Yıldız, Tuğba Onal Okyay, Betül Şen, Bahdisen Gezer, Sait Bozkurt, Gaye Başşkaya, Fatih Şen	Activated Carbon Furnished Monodisperse Pt Nanocomposites as a Superior Adsorbent for Methylene Blue Removal from Aqueous Solutions	Journal of Nanoscience and Nanotechnology Vol. 17, 4799–4804, 2017	10.1166/jnn.2017.13776	2017	https://pubpeer.com/publications/77B26CD8D6247B0C9480702EA984D7	Inset3