



ردیف	عنوان نشریه	دوره انتشار	2021
1.	<p><u>Chemical Week</u></p> <ul style="list-style-type: none"> The drive to decarbonize as the global energy transition gathers pace is having a profound effect on the refining and petrochemicals sector with the structural shift accelerated by the COVID-19 Tackling emissions in the nitric acid industry Malte Plewa, Volker Schmidt, Daniel Ávila and Enrico Rubertus of German development agency GIZ and Dr. Silke Karcher of the German Environment Ministry (BMU) discuss action on climate change from nitric acid production and the Nitric Acid Climate Action Group (NACAG) and its global initiative for mitigating emissions. The future of DME A few years ago, DME production from methanol gave a major boost to world methanol demand, with DME being used as a blendstock for LPG. However, demand plateaued and DME has not had the takeoff that its proponents feel it should have. Could new renewable DME processes give it the boost it needs? New concepts for ammonia plant revamps thyssenkrupp Industrial Solutions discusses a revamping concept to reduce CO2 emissions by replacing some of the hydrogen in the front end of the ammonia plant with green hydrogen, KBR and Casale report on revamp options to increase the capacity of vintage ammonia plants in the former Soviet Union, Johnson Matthey presents a novel integrated ammonia flowsheet for the production of ammonia, methanol, urea and UFC and Arvos Schmidtsche Schack discusses the benefits of a new process gas boiler. 	هفته نامه	 <p>January</p>

ردیف	عنوان نشریه	دوره انتشار	2021
	<ul style="list-style-type: none"> Digital solutions bringing better performance By harnessing the power of real-time data and exploiting the opportunities provided by digital solutions plant owners can achieve greater plant efficiency and reliability. In this article Stamicarbon shows the benefits of the Stami Digital Plant Optimiser for urea plants, OnPoint Digital Solutions provides a case study on optimising primary reformer heater operations using Smart Combustion™, TOYO provides an update on its digital transformation service DX-PLANT® and thyssenkrupp Industrial Solutions provides examples of how digital solutions can be used to improve plant operation. 		
2.	<p><u>Chemical & Engineering News</u></p> <ul style="list-style-type: none"> US chemical industry will bounce back this year China will struggle to evaluate its scientists' work. Petrochemical building spree may finally slow A new normal will emerge for Europe's chemical industry 	دو ماهنامه	 <p>January</p>

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3.	<u>Chemical Engineering Progress</u> <ul style="list-style-type: none">Optimizing Catalyst Performance to Support Sustainability Goals: Characterizing the structure and activity of next-generation heterogeneous catalysts will be critical to unlocking more sustainable reaction-driven processesUnderstand Process Hazards to Manage Change Safely. Successful management of change (MOC) programs identify potential process hazards.The Bonsai Process Development Method: The optimal bonsai tree can only be cultivated by pruning certain limbs and leaves. The same disciplined decision-making is required to eliminate the extraneous options in process developmentTools for Open Innovation	دوماهنامه	 January

ردیف	عناوین نشریات خبری / عمومی	دوره انتشار	شماره
۱.	حسابرس	دو ماهنامه	۱۰۹
۲.	دانشمند	ماهنامه	۱۰
۳.	فیلم	ماهنامه	۵۷۸