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Exploiting Chemical Industrial and Academic Wastes for Supported Photocatalysts: A Potential Source

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Description

e e f ed ca a d e e e f add e ge e a c a e ge a d ad a c g a abe c e ac ce. W e e a f ad a ae a f ca a c, e e e a a, a ed e ce ef f c e ca d a a d acade c a e. c e a e e e e a f c a e a a a abe ce f ed ca a, e g g e e e e, c a e ge, a d e [1, 2].

C e ca d a a d acade cac e ge e a e a a a f a e a e a, a g gf e ca a ed c e ca a d ab a b - d c. T ad a, e e a e a e e d a e e a ab e a d a e e d ed f g ad g c e a, c b g a d e ce de e. H e e, e e e a g ca a ed e a e e a e ea, a c a e c e f a abe c e a d a e a e [3, 4].

e a f c e ca d a a d acade c a e a a ce f ed ca a e e e a a e a e f add e ge e a c a e ge a d ad a c g a abe ac ce. P ca a, e ce f a e g g e e g d e c e ca eac, a ge eed c de abe a e f a ca e e a e eda, e e g c e, a d c e ca e e. S ed ca a, c c f ca a c a e a b ed a a, e e a ced ab, ec cab, a d ca a ce ce c c a ed e ed c e a [5].

I ece ea, e ea c e a e be g e e efea b f gc e ca d a a d acade c a e a a e a f ca a. B e g ee a e, c e e ca a d c e ca e e, e ea c e ca de e a abe a d c -e ec e ca a c a e a e a e g g a e ge ea a de e a ac [6]. H e e, a ac e e b e a d ca e ge a a a f e e g a dd c.

Utilization of chemical industrial and academic wastes: C e ca d a ce e a d acade c ab a e ge e a e a d e e a a f a e, a g gf e ca a a d b - d c ed c e ca a d a e a. I ead f d ca d g ee a e, e ca be e ed a d a f ed a abe e ce f e g ed ca a [7]. B a e g e ee e e f ee a e, c a face c e, g, a d c, e ea c e ca a e c a ace c f ed ca a f ec c a ca.

Advantages and challenges: e a f c e ca d a a d acade c a e a a ce f ed ca a e e e a ad a a g. F, e e ce e c e c a d a e a, a g g c e f gee ce a d a ab. Sec d, ed ce e e a f a ca ed a e d a a d a d g c b g c c a

Conclusion

I c c, c e ca d a a d acade c a e e ee a a abe e de ed e ce f e g ed ca a. B e g ee a e, e ea c e ca c ea e a abe f e e a e eda, e e g c e, a d c e ca e a ca. H e e, add e g c a e ge ea ed a e c a ace a, e ca ab, a d a e a e f a ce c c a f ea g ef e a f ee a e a. g ed c a c ab a a d a e e a e e, a f c e ca d a a d acade c a N e a a ce f ed ca a ca c b e ad a c g a abe c e ac ce a d add e g g ba e e a c a e ge.

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employing innovative synthesis approaches, such as sol-gel methods, hydrothermal treatment, and impregnation techniques, researchers have successfully transformed these wastes into functional supports for photocatalytic materials.

Future directions and opportunities: e e a d a a d acade c a e a a ce f ed ca a e e a e e f ea c ad a. F e de d f c de e g ca abe e e d, g

Conflict of Interest

N e

References

1. H Abdel-Wahab (1998) Surfactants Selector a Guide to the Selection of I&I and Household Product Formulations, Akcros Chemicals (now part of Akzo Nobel Surface Chemistry AB).
2. Further formulation information available from Akzo Nobel Surface Chemistry AB, S 444 85 Stenungsund, Sweden, on request.
3. Valappil K, Lalitha S, Gottumukkala D, Sukumaran R K, Pandey A (2015) White Biotechnology in Cosmetics. Indus Biorefn White Biotech 607-652.
4. Kenneth DK, Stephen JL, Joan SV, Cynthia JB (2015) Solving 21st Century Problems in Biological Inorganic Chemistry Using Synthetic Models. Acc Chem Res 48: 2659-2660.
5. Hannah H, Gerlinde G, Christian GH (2016) Electrophoretic separation techniques and their hyphenation to mass spectrometry in biological inorganic chemistry. Electrophoresis 37: 959-972.
6. Williams DR (2000)