## **Checklist of Paper and Thesis Writing**

Xiaohang Li, Advanced Semiconductor Laboratory, March 22 2021

## ECE, CEMSE, KAUST

Email: xiaohang.li@kaust.edu.sa

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## Write Better, Research Happier

a or the for	If the quantity is only one for certain countable nouns, you use "the" such as:
proper	"Akasaki, Nakamura, and Amano were recognized by <b>the</b> 2014 Nobel Prize in Physics."
countable nouns	"The BAIN alloys are promising for UV LEDs and HEMTs."
Synonym	Reviewers and readers always appreciate that you have a large vocabulary. Thus, do not keep
	using the same word. Try to use different and more sophisticated words.
	You do not know? Just Google to find its synonyms. Three examples:
	Use: utilize, employ, apply
	So: therefore, hence, thereby, consequently, accordingly
	Also: as well, moreover, furthermore, alternatively
Figure	1. The figure resolution must be equal or better versus the figures in papers led by our group.
	2. The details of figures such as curves, words, legends, and axes must be large enough to see
	at 100% Zoom of a Word document by a normal person.
	3. The color of curves must have strong contrast. Hence avoid pink, yellow, and light green.
	4. The figure legend cannot block curves or any important information.
	6. The sub-figures must have "a,b,c,". Do not use left, middle, right.
	7. The sub-figures must have the same size and aspect ratio if they are about the similar
	measurement or simulation of the same or two similar structures.
	8. The distance between two objects must be consistent across sub-figures, such as the X-axis
	and X-axis label.
	9. There is a space between "Fig." and "2". Do not use "Fig.2".
Unit	1. There is a space between the number and unit, such as "2.1 nm".
	2. If you describe a few numbers of the same unit, you just have to write the unit once, for
	instance: The output powers of the UVC LEDs are 1, 2, 3, 4, 5 mW, respectively.
The use of	Try to minimize the use of (XXX) in a sentence to explain things. They make the article less
(XXX)	readable. Instead, use which to explain it.
Management of	1. Do not manually type the reference number. Use the built-in "Insert Endnote" function
references, figure	under Word-References. For references, you can also use external software such as Endnote.
caption, and	2. Do not manually type the figure and table number. Use the built-in "Insert Caption"
table caption	function under Word-References.
	3. Mention at least once for any reference, figure, and table you have in the main text.
Copy and paste	Direct copying sentences of other papers including your own papers without "quoting" and
	citing is viewed as plagiarism. This happens in the introduction most often.
	Thus, you must not do so. Please write or paraphrase using different language.
Assertive	1. Do not use assertive language such as "will", "definitely", "absolutely", "completely". For
language	replacing "will", Use "could" and "would" instead.
	2. Some journals do not allow the use of "first time", "new", "novel", and "record-high", and
	some do.
Self-citation	Only cite the papers of our group relevant to area of the paper. Avoid excessive self-citation.
Authorship	Only add those who have contributed scientifically and considerably into the authorship. For
	instance, if someone just did a favor for you to measure one sample, add him/her into
	acknowledgement but not authorship.
	If you need to add a student or postdoc from another group into the authorship, that person
	must get the approval of his/her PI and proper acknowledge the funding support.